



Warnke- Method

Hearing
Seeing
Movement



Central processing
Perception
Biofeedback
Neurofeedback



Preface



Hello and Welcome,

You may have already noticed the new face of the new catalogue in front of you. But it is not only the face that is new: There is a great number of new or further developed products and services we are offering you. It ranges from wide but pre-selected literature for parents and experts to ready-to-use training-equipments

already compiled in a convenient case.

Especially the new suggestions for ready-made equipment compositions enable you to find easily what you need for your daily work.

With the „Warnke-Method Practice Handbook“ (p. 38) as well as the „Extended Testing Procedure according to Warnke“ (p. 12) and its completion deliveries you

will be up to date with the Warnke-Method and be able to put it into practice.

The latest version of software for patient-management and documentation MediTOOLS 3.X enables all professional users to generate individual reports of testings only at the push of a button.

There is even more that is waiting to be discovered! We are looking forward to getting in contact with you soon.

Yours

Ralph Warnke
(MediTECH-Managing director)

MediTECH Customer Support

Your satisfaction is what we are working for!

We take great efforts every day to accomplish your wishes.

Information

We supply you with our experience – not only with this catalogue but also with our homepage (consisting of more than 400 single pages), with more than 70 seminars and workshops per year and last but not least our newsgroup dealing with all kinds of questions concerning the Warnke-Method.

Advice

Our telephone-support is available Monday to Friday from 8:30 to 18:30. Do not hesitate to call us in case of problems where to find the nearest therapist, questions about ways of training or technical advice – do test us.

There is also a good number of proficient distributors near you who will be pleased to help you as well.

Rent-and-Try-Out Model

You have been told about the success of the Warnke Lateral-Training and wish to try it yourself? But you are not sure yet whether your child will work with this device and you would therefore like to try it first.

This is what the “Rent-And-Try-Out Model” has been designed for. Any device worth more than 300 Euro can be rented and tested for any time- period you like. The monthly fees will be credited (fully or partly) within the first three months in case of later purchase.

Please contact us for any further information.



Modes of Payment

You can choose the way you want to pay: In Germany, Austria and Switzerland you may pay after reception of invoice, by credit-

card or by debit-advice (Germany). Please inform us on the way you would like to pay - In case of payment by credit-card or debit-advice we will settle everything for you, provided we got all necessary information. Please use the form “debit-advice” on our order-sheets. Are you looking for a “Rent-and-Try-Out Model” or an agreement for payment on installments? You simply have to contact us.

Service

Do not hesitate to phone us in any case of questions or problems – most of them can be settled within minutes.

In case of repair we will not make you wait. We normally finish repairs in a few days – the maximum period will be two weeks.

Have a look at our new service-agreements. They enable you to have your equipment checked regularly to ensure an even higher reliability.

Warranty

For all products from MediTECH-production there is a 24-month warranty from the day of delivery.

Technical Changes

We reserve the right for technical changes due to further development or progress. Devices offered may be replaced by following models having the same or better characteristics. We also reserve the right for alterations concerning types and prices.



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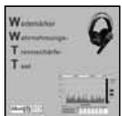
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MediTECH Electronic GmbH

MediTECH – How did we start?

For the last 15 years Fred Warnke dedicates his ideas and inventions to those people who were not able to develop age-based language skills because of central hearing deficits. Further information about his patents can be found on page 60 of this catalogue.

In the beginning Fred Warnke had his devices manufactured and sold by various firms. But this system of distribution showed that customers wanted proficient service and advice from one partner. This was the reason why the Warnke Electronic Sales was founded by his son Ralph. As the number of users of the Warnke-Method grew rapidly, this company was extended to the company MediTECH Electronic Ltd. in 1996.

Since that time, MediTECH has been enlarging their program for testing and training devices by developing more and completely new ones. The semi-professional manufacturing we started with has been replaced by a high-quality production in a professional design.

MediTECH – Our position today?

Today the MediTECH Electronic GmbH is a well-running firm owned by Ralph and Karen Warnke. Fred Warnke holds no financial interests of the company - neither did he participate in the past nor does he today. He concentrates his ideas on new materials and inventions which he makes available to MediTECH only.

The main operational fields of MediTECH are:

- Development of systems for testing and training as well as try-outs together with international experts and institutions throughout Europe
- Planning and carrying out of seminars and workshops concerning the Warnke-Method, new ways of learning, sensor motor reflexes and Biofeedback/Neurofeedback
- Quick and efficient service and support for all goods delivered by MediTECH

Publishing house for materials for perception training: CDs and textbooks with identical wording and various kinds of training-software in order to help the numerous children who suffer from perception deficits and to supply them with suitable aids.

MediTECH – Which aims do we have?

- Efficient mediating of knowledge concerning the Warnke-Method by customer-support, internet-presentations, participating in fairs and congresses
- Setting-up of valid tests and efficient training-methods as a standard treatment for benefit of affected people
- Developing and support of networks and partnership organizations in this business field in Germany and worldwide. With the help of our Cooperation-Model MediTECH is in close contact with medical practitioners, therapists, teachers and other institutions. We use these connections to inform affected families about qualified help in their area.

How do you get to MediTECH?

The company is based in Wedemark, a municipality north of Hanover.

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E-Mail: service@meditech.de

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MediTECH – Which principles do we follow?

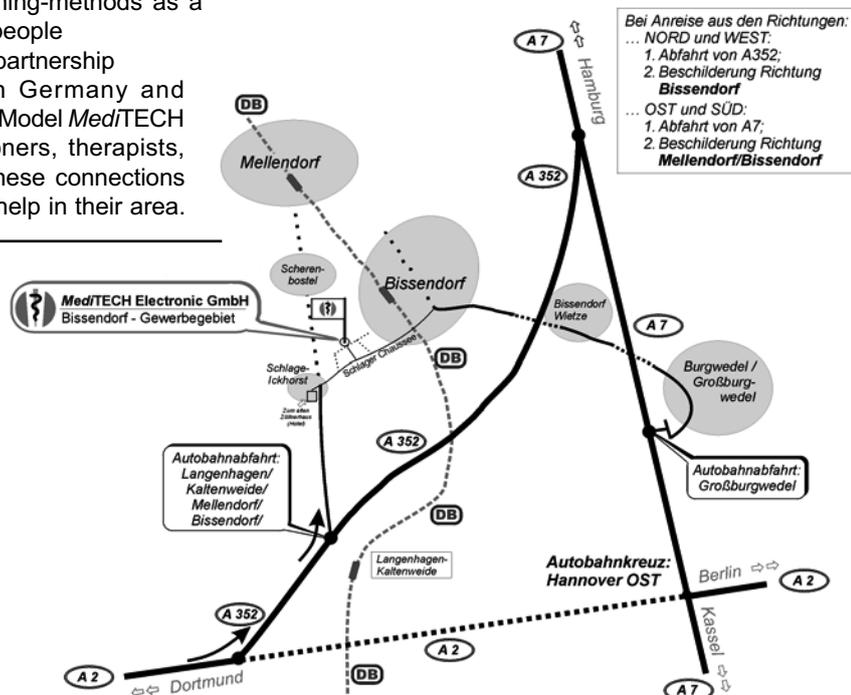
- MediTECH has strong principles which regulate our open and fair relations to our customers, to the state and to our competitors which we expect vice-versa.
- We stand for good and correct cooperation with authorities and other public institutions to support the principle of liberal and social basic order.
- Strict compliance with the Code „Medical Products and Ways of Conduct on the Health Market“
- Besides this, all our customers, no matter which „size“, play an important role, too. It is one of our most important aims to support and to keep their interests.

MediTECH – What do we offer?

MediTECH's aim is to develop practical aids for children and adults to improve their perception and automation of central functions.

We offer

- A modular designed program of testing devices for perception and central automation deficits and their symptoms
- Training-devices to improve important functions of the brain
- i.e. time- and frequency-discrimination
- Devices for Lateral-Training (in accordance with the Warnke-Method) for home-use or professional application
- Special Training-CDs with corresponding textbooks to be used with Lateral-Training
- Computer-software for training at home or with a therapist
- Biofeedback und Neurofeedback systems
- Music-based treatment for tinnitus



Central Processing Deficits are responsible for Problems in Learning

This short introduction is designed to give some basic information about dyslexia not only to affected parents, but to everybody else who is interested in this problem.

Problem

Between 10 and 15 % of the children of each school year suffer from serious problems in learning in spite of average – or even higher – intelligence. In most cases these problems are deficits in reading and writing. It is a well-known fact that it does not make much sense to repeat the same exercises in writing and reading in the afternoon again, hoping to solve the problem this way. This can be compared with a coach who makes an injured athlete practice harder instead of giving him the chance to recover. Of course, no reasonable coach would ever take this way.

In recent years, the actual problem was that it seemed to be impossible to discover the real cause of these learning deficits. Scientists of various fields competed claiming to have found the „one and only“ cause of the problem described. During the last years, however, it has become more and more clear that these problems are caused by a number of deficits in the central processing of perceptions which normally work automatically. In some cases they do not and the persons suffering from these deficits start to develop strategies to compensate. These compensation strategies demand a lot of energy. Most children with these problems are completely exhausted, long before the school day is over because most of their energy was used up before by mere compensation.

During the last 15 years, the communication-expert Fred Warnke has developed a valid method for identifying and training these deficits. Up to now, this method has successfully been used by more than 1000 therapists in Germany, Austria and Switzerland.

This method is based on the fact that children suffering from these problems were unable to memorize the sound-patterns of the words they heard in their early years. As they do not know what the „sound“ of a word is like, they do not know what (letters) it consists of. Many children develop a different way of reading instead: they try to recognize words by their appearance – they see words as pictures. Doing this they are unable to see – and to learn - the inner structure of a word: the way a word is spelt. This is where the Warnke-Method starts working.....

Diagnosis

When testing the central processing of perceptions it is very important to check as many functions as possible in a short time in order to measure to what extent important functions are automated and to avoid mistakes caused by wrong answers of an exhausted child. With the help of the Warnke-Method it is possible to check fourteen functions quickly and in a playful atmosphere. Afterwards the results are checked against standardized data of other children to find out if there are deviations or even clear mal-functions.

A complete listing of the functions to be tested can be found on page 7.



Training

The training, which was also developed by Fred Warnke is based on three „foundation-stones“.

1) Automation of the processing of perceptions in hearing, seeing and motor skills

As long as there is a temporal deficit in the processing of perceptions it does not make much sense to set more and more exercises in reading and writing, as basic pre-conditions for learning this are simply not available. Consequently these pre-conditions must be developed. In other words: The speed of processing must be improved and automatized. This can easily be done with a small electronic device called „Brain-Boy



Universal“. The seven training-programs resemble games which enhance seven basic functions of perception-processing concerning hearing, seeing and motor skills. Only few months of training will already show distinct improvement.

2) Automation of the coordination of the brain-hemispheres

During the process of learning how to read and write the two „halves“ (=hemispheres) of the human brain must work closely together. The coordination between the hemispheres is done by the „Corpus Callosum“, a nerve cord that forms the connection. In most cases of dyslexia this nerve cord is suspected not to work properly. In order to improve the function of the Corpus Callosum, Fred Warnke has developed a special training called „Lateral-Training“. (see page 18 ff) During this training, the child hears a model voice (from a CD) on one side of his headphones and hears his/her own voice speaking in synchrony on the other. A special electronic device makes the voices wander between the two sides. Like sun and moon the two voices constantly change their position without ever meeting. Thus the child's perception must always be aware from where he/she has heard which voice. A regular lateral training causes a better synchronization of the two hemispheres by activating existing but inactive nerve fascicles in a comparatively short time.

3) Development and Automation of a „Visual Dictionary“

As mentioned before, children who have difficulties in reading and writing often have only a vague idea of how a word is spelt. This can also be improved by a training called „visual spelling“. This training helps the child to find ways to memorize the spelling of all those words the pronunciation of which differs much from the spelling. A very efficient help in this training is the PC-software „Orthofix“. (see page 50)

After the clarification of probable deficits, the parents are informed and a plan for further training is suggested. The final but most important question is if the child really wants to do this training. Only if the child agrees, the training will be successful.

There have been a lot of cases where parents did not only report improvements in reading and writing skills but a positive change of the whole personality, too.

Problems in reading and writing-skills are caused by deficits in central automation

A child is considered dyslexic when there are serious problems in reading and writing in spite of (at least) average intelligence and normal teaching at school. During the last fifty years numerous books have been

filled with presumed causes of dyslexia but in recent years scientists became more and more convinced that dyslexia is mainly caused by temporal processing deficits – especially in hearing, but also in motor skills and seeing.

1 Development of spoken and written language

... in children with a good command of language and without any deficits in central processing functions

A child begins to learn the first steps of his/her mother-tongue long before it is born. The first basic functions he/she develops are the temporal processing and the discrimination of different sounds. Studies with premature babies showed respective activities in their brains. These abilities are important preconditions to learn spoken and written language in later years.

A new-born child is not only able to remember tunes he/she heard during the last third of the pregnancy period but can already discriminate different vowels. With two months of age the baby can discriminate the consonants „b – d – g – k – p – t“. With eight months the baby can remember the structure of words, even if the words are artificial and without any sense. It can also remember single words that appeared in stories that were told to the baby two weeks before. At the age of two years children have developed a so-called „implicit understanding of grammar“. That means they can identify sentences with a wrong word order

although they are not yet able to produce these sentences themselves and, of course, do not know anything about grammatical rules.

These abilities have their origin in genetic patterns. According to its cultural environment the child develops and improves them automatically provided there is properly spoken language around that can serve as a model.

Long before the child is able to speak his/her own mother-tongue he/she has built up a large number of „inner representations“ on the phoneme-, the morpheme-, the semantic- and on the syntax-level. These auditive representations are the basis of the child's ability to speak and to understand according to its age.

This is exactly the basis the child needs in the first years at school to obtain the basic skills in reading and writing. As the child is now able to analyse language down to its graphemes it will develop a kind of „inner dictionary“ that will help him/her to automate spelling more and more.

... in children who suffer from central processing deficits

Here we find rather different cases: There is a number of children whose development of basic functions was delayed in their early years by perinatal influences, infections of the inner ear (otitis media) or even by genetic reasons. Very often these children cannot develop a distinct pronunciation of what they say because nobody can produce a sound one cannot hear. In reading these children compensate their weaknesses by trying to recognize words as pictures. They see the whole word instead of the parts – the graphemes, by using the context of the words. Mostly they recognize a word by its first and last letters not seeing the letters in between. These children, however, do not develop inner representations of words but try to spell them the way they think they should be – not the way they really are. As there are only few words in English where you can guess the spelling from the pronunciation you can imagine the number of mistakes the child will make.

There are hardly any cases/ only a few cases known where teachers or doctors (or other persons in custody of the child) tried to find the reasons for these deficits in the basic functions described above.

As it would be impossible (and too expensive) for each child to undergo a long medical examination at a pedaudiologist's we developed a much simpler but efficient method to test these functions. This method has been proven as accurate and almost unerring in thousands of cases.

Autor des Beitrages:

Fred Warnke

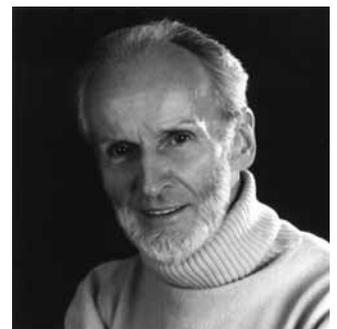
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2 Testing basic central functions

The testing takes place not only with the child alone but together with his/her parents. Before the testing starts the parents get the form „Training of Automation in Case of Central Perception Deficits“. Thus the parents can follow the steps of the testing procedure, can see

themselves where their child needs training and can ask questions if necessary.

The following list shows the fourteen steps of the playfully designed testing procedure which will take about one hour. It is designed to find abilities and chances for further training not to find things the child is not capable of.

No. Steps	Details
1 Visual Order Threshold	The child sees two flashes from the right and from the left hand side. It must find out which flash came first. The level of difficulty is steadily increasing.
2 Auditive Order Threshold	The child hears two clicks through headphones; one click from each side. Again it must find out which click was the first one, while the level of difficulty is steadily increasing.
3 Spatial Hearing	The child hears one click. It must find out which direction this click came from.
4 Pitch Discrimination	The child hears two different sounds and must identify the correct order.
5 Finger-Tapping	The child hears clicks coming from two sides alternately. It must press two buttons in synchrony with the clicks.
6 Choice-Reaction Time	The child hears two different tones. It must find out as quick as possible on which side the deeper tone was.
7 Frequency Pattern	The child hears three sounds one of which is different from the other two. The child must identify the position of the different sound.
8 Coordinative Skills	The child is asked to balance a light wooden rod (1 m long) on his/her back of the hand.
9 Reading Meaningless Texts	To find out which strategy the child uses for reading he/she is asked to read a meaningless text aloud. The number of mistakes and the time used show the method of reading the child has adapted so far.
10 Short Time Memory	The child hears words consisting of two-three-four-five-six meaningless syllables and is asked to repeat the syllables every time.
11 Perception Discrimination	The child is asked to repeat meaningless words in order to find out his/her ability to discriminate (plosive) consonants. The recording simulates the atmosphere and acoustic conditions of a classroom.
12 Dynamic Vision	The child must follow a moving finger, describing a horizontal figure-eight pattern with his/her eyes without moving the head.
13 Angular Ametropia	This step tests if the child's eyes are probably not able to focus the same spot. This deficit often leads to serious difficulties in reading from the blackboard in class.
14 Visual Spelling	The child is asked to write words „into the air“ to find out if it has developed inner representations of spelling. In addition to this the software „Orthofix“ can be used in case the child needs training in automating visual spelling.

Depending on the results the amount of training necessary is estimated and possibly combined with other pedagogical actions already taking place. The

training is based on steps listed above. Devices and /or other media for this training can be found in this catalogue.

Literature

¹ H. Remschmidt et al.: „Multiaxiales Klassifikationsschema für psychiatrische Erkrankungen im Kindes- und Jugendalter“, Huber (1986), S. 74

² P. Tallal, „Temporal Processing in the Nervous System - Special Reference to Dyslexia and Dysphasia“, Annals of the New York Academy of Sciences, Volume 682, (1993) 442 S.

³ P. Plath „Zentrale Hörstörungen“, Schriftenreihe GEERS-Stiftung Band 10, ISSN 0935-1213

⁴ Cheour-Luhtanen-M et al. „The ontogenetically earliest discriminative response of the human brain.“ *Psychophysiology*. 1996 Jul; 33(4): 478-81

⁵ D. Querleu et al. „Fetal Hearing“, *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 29 (1988) S. 191-212, Elsevier

⁶ P. Bertoncini, „Perceptual Representations of Young Infants“, *Journal of Applied Psychology: General* 1988. Vol. 117, No.1, S. 21-33

⁷ J. R. Saffran et al., „Statistical Learning by 8-Month-Old Infants“, *Science*, Vol. 274, 13 December 1996

⁸ P. W. Jusczyk, „Infants' Memory for Spoken Words“, *Science*, Vol. 277, 26 September 1997

⁹ J. Weissenborn et al., „Children's Sensitivity to Word-Order Violations in German: Evidence for Very Early Parameter Setting“, 22nd Annual Boston University Conference on Language Development, (1998)

¹⁰ M. Spitzer, „Lernen“, Spektrum-Verlag, (2003)

¹¹ P. Tallal et al., „Unexpected Sex-ratios in Families of Language/learning-impaired Children“, *Neuropsychologia* 1989; 27(7), S. 987-998

¹² J. S. Gravel et al., „Auditory Consequences of Early Mild Hearing Loss Associated with Otitis media“, *Acta Otolaryngol. Stockh.* 1996 March, 116(2), S. 216-221

¹³ G. Marchbanks et al., „Cues by which Children Recognize Words“, *Journal of Educational Psychology*, 1965, Vol. 56, No.2, S. 57-61

¹⁴ F. Warnke, „Was Hänschen nicht hört ...“, VAK-Verlag Freiburg, (2001), 5. überarbeitete Auflage

Testing basic central functions

(Stand: December 2004)

These tests are one of the most important parts of the Warnke-Method. A large number of qualified experts have been doing these tests for many years in order to get a valid basis for further training. The test-steps listed below will guide you through the test procedure. As described on the pages before some test devices are needed, most of which are introduced on the pages indicated in the right column of the table.

2

Modality	#	Test Step	Device needed	Page
Seeing	1	Visual Order Threshold	Brain-Boy Universal Professional	9
Hearing	2	Auditive Order Threshold	Brain-Boy Universal Professional	9
Hearing	3	Spatial Hearing	Brain-Boy Universal Professional	9
Hearing	4	Pitch Discrimination	Brain-Boy Universal Professional	9
Motor Skills	5	Finger Tapping	Brain-Boy Universal Professional	9
Motor Skills	6	Choice-Reaction Time	Brain-Boy Universal Professional	9
Hearing	7	Frequency Pattern Test	Brain-Boy Universal Professional	9
Motor Skills	8	Coordinative Skills	Short balancing pole	37
Hearing	9	Reading of meaningless texts	Wedemark Reading-Test	10
Hearing	10	Short Time Memory	Handbook „Extended Warnke Test Procedure“	12
Hearing	11-1	Perception Discrimination	„Insight into the Warnke-Method“	10
Hearing	11-2	Perception Discrimination	Wedemark Perception Discrimination Test	47
Seeing	12	Dynamic Vision	Fixation Object	11
Seeing	13	Angular Ametropia	Long-Stereo-Test / Screening-Kit	11
Seeing	14-1	Visual Spelling	Orthofix-Software	50
Seeing	14-2	Visual Spelling	Handbook „Extended Testing Procedure“	12

The test procedure (consisting of the steps listed above) is explained in detail in the following books:

- Practice-Handbook for the Warnke-Method (p. 38)
- The Warnke-Method: Test Procedure (p. 12)



With the help of MediTOOLS you can not only record all results of the test procedure quite easily but generate complete reports automatically for parents, practitioners and other therapists.

The Mobile Practice - The Warnke Test-Case



Wunsch This case is a practical solution to the problem to have everything available for the test procedure and the possibility to be mobile at the same time. It can easily be carried from one classroom to another or can be taken with the therapist when visiting families at home. The case can comfortably be carried or placed into the luggage-booth of the car.

Data:

Dimensions: 62 cm width
20 cm height
47 cm depth

Weight:

Empty case: 3,7 kg
Equipped case: 5,9 kg

The case is equipped with:

- ⇒ Hearing Test (“Hour Glass”)
- ⇒ Balancing rod
- ⇒ Wedemark Reading Test
- ⇒ Audio-CD: “Insight into the Warnke-Method”
- ⇒ Software: Orthofix + WPST
- ⇒ Screening Kit for testing Binocular Fusion in the distance (incl. red/green glasses and windowstickers)
- ⇒ Lang-Stereo-Test - Testing the binocular fusion in short distance
- ⇒ Object for fixation
- ⇒ Documentation with test-forms, sheet for memory-test and detailed instructions concerning the test procedure.
- ⇒ Handbook for the „Extended Testing Procedure“

Art.-No.	Name and short description	Price incl. taxes EURO (D)	Meant for: Private Profi
9054	Warnke test-case for mobile practice (just the case)	80,00	<input type="checkbox"/> <input checked="" type="checkbox"/>
10022	Warnke test-case for mobile practice (case with content)	620,90	<input type="checkbox"/> <input checked="" type="checkbox"/>

Diagnosis

Brain-Boy® Universal Professional (BUP)

steps
1 – 7

2

This completely new developed device is the „Big Brother“ of the Brain-Boy Universal (BBU), more than 10,000 of which are in use in different institutions today.

The tests of the BUP (run in the so-called Normtest-Mode) are identical to those of the Brain-Boy Universal so that results from the BUP can be directly compared with the standardized data once ascertained with the BBU.

So the therapist can check the child's progress with his BUP each week although the child is working with a BBU. Doing this, the therapist always gets the percentile rank the child has reached in each of the eight functions. (There are different percentile rank lists available for children between 5 and 12 years)



These ranks were investigated during a standardization project in cooperation with the Medical University of Hanover.

This way the BUP is a professional device working on the basis of scientifically standardized data that enables the therapist to get valid and true information when testing basic central functions. The BUP can be used for testing and training of the following low level functions:

- ⇒ visual and auditory order threshold
- ⇒ spatial hearing
- ⇒ pitch discrimination
- ⇒ visual and auditory motor-timing
- ⇒ choice reaction time
- ⇒ frequency pattern recognition
- ⇒ duration of tones recognition

The efficiency of the training of the functions listed above has been proved by a scientific study carried out by the Medical University of Hanover.

Apart from testing, the BUP allows various ways of training. All features known from the OSA 3.1 (the device previous to the BUP) can also be found in the BUP as well – specially designed for each low-level function:

- ⇒ Show / do not show Visual Confirmation
- ⇒ Volume-adjustment of earphones from 72 dB to 110 dB
- ⇒ Repetition of the last signal/task
- ⇒ Choice of signal-mode: click or noise-burst

The BUP offers many more features, such as:

- ⇒ logarithmic approximation: (determination of the approximate order threshold with max. 40 signals)
- ⇒ successive approximation: (quick determination of the current order threshold avoiding effects of fatigue)
- ⇒ randomized order: (randomized intervals between user-defined maximum and minimum)

The handling is very comfortable. Most tests can be done by using only two big push-buttons. The shipping includes two external buttons – they consist of wooden balls with built-in buttons.

The BUP can not only measure basic functions but can store all data of patients and tests on a compact-flash card. All data that were recorded during the day can be transferred to the PC-software *MediTOOLS* later without any problems. The „Quick-Update“ is another very special feature of the BUP: In case there is an update of the BUP-software, you are now able to do it yourself. If you would like to participate in this service, just inform us and you will get the programme by mail which you can copy on the flash-card yourself. When you put the flash-card back into your BUP, the internal software will be updated automatically.

So you need not send us your BUP anymore when there is a software-update.

The interface between the BUP and the *MediTOOLS*-Software has been enhanced: You are now able - for example – to design training-setups with your computer and copy them to the BUP to have them available there.

Technical data

- ⇒ rechargeable battery (12 hours) or AC-adaptor
- ⇒ compact-flash card for data storage
- ⇒ 8 programmes for test and training
- ⇒ menu-guided operation
- ⇒ dimensions (w / h / d): 13 cm x 10 cm x 19 cm

Scope of Delivery

- ⇒ Brain-Boy Universal Professional
- ⇒ AC-Adaptor for 230 V
- ⇒ External Hand Pushbuttons
- ⇒ Instruction Manual
- ⇒ Software „MediTOOLS“ (Basic module)
- ⇒ CF-Card

Optional (recommended)	page
- Headphones (MT-70/MT-301)	27
- CF-card reader for your computer	30

Art.-No.	Name and short description	Price incl. taxes	Meant for:
		EURO (D)	Private Profi
10000	Brain-Boy® Universal Professional	989,00	<input type="checkbox"/> <input checked="" type="checkbox"/>

Diagnosis

Hearing Test „Hour-Glass“



This little hour-glass contains thousands of very very small glass globules which produce a soft rush when falling down. This soft sound can be used as a screening test of the peripheral

hearing functions, but it can not replace a medical examination by a ear, nose and throat specialist which is indicated when a child cannot hear the sound of the hour-glass on one or even both ears.

2

Balancing-Rod



This device is fully described on page 37 in the section „motor skills“ as well as the „control-unit“ (made of card-board) which can be attached to the top of the rod in case the

balancing of the rod alone turns out to be too difficult. The helping-tail prevents the rod from falling too fast and makes the balancing easier especially in the beginning.

Step 8

Wedemark Reading Test



Using a reading test with meaningful texts you run the risk to estimate the reading skills of children sometimes better than they really are. Some children recognize words by their appearance (as pictures) and can even associate words from the context although they were actually not able to read them. This test was designed for the first

four school years and consists of a meaningless text. In this case the child cannot associate words from memory but must read what is written. Thus the child's ability of reading on the grapheme-level can be checked quite accurately. DThe set consists of
 => 10 test-patterns for the supervisor
 => text for the child tested
 => analysis-sheet for estimation

Normed for classes 2 up to 4

Step 9

Short-Time Memory

Step 10

The equipment for this Warnke testing step can be found on page 8 ff . It is described in detail

in the handbook „Extended Testing“. For more information about this handbook see page 37.

CD „Insight into the Warnke-Method“



Auf On this CD you can find the „Perception Discrimination Test“ (by Warnke) where difficult consonants in a combination of vowels must be recognized.

Beside this test, which has been proved successful for many years, you will find a lot more on this CD: There is an articulate lecture on the Warnke-Method accompanied by several audible examples:

=> The development of hearing from fetus to a small child

=> Information about the term „Order

Threshold“ (including a short test)
 => Introduction of different training-methods

There are two additional tracks (12 minutes each) that consist a) of a murmuring of voices in the background and b) typical classroom noises.

mit dem Wahrnehmungs-Trennschärfe-Test nach Warnke

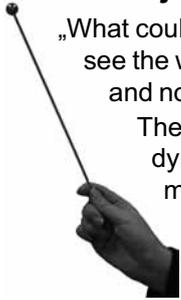
Step 11-1

Step 11-2

To test perception discrimination you can also use the „Wedemark Perception Discrimination Test“ described on page 47)

Art.-No.	Name and short description	Price incl. taxes	Meant for:	
		EURO (D)	Private	Prof
8030	Hearing Test „Hour Glass“	7,80	<input type="checkbox"/>	<input checked="" type="checkbox"/>
S006	Wedemark Reading Test	20,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2240	Insight into the Warnke-Method (Audio-CD)	35,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Fixation object



„What could be the reason that a child can obviously not see the writing in a book or on the blackboard properly and nothing is found in a medical examination?“

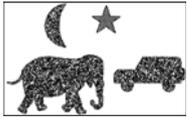
The answer is: the child probably suffers from weak dynamic vision. The child is not able to follow a moving object with the eyes without looking

somewhere else in between. A very simple device to test the ability of dynamic vision is this object for fixation. Moving this object in front of the child (e.g. in the form of a lying eight) you can easily find out if the child's eyes can fix a moving spot (the silver ball on top) all the time.

Step
12

2

Lang-Stereo-Test II (binocular fusion – short distance)



This test checks the ability of binocular fusion in short distance. It consists of a small plastic card with a special surface, on which four pictures are hidden. The person tested should be able to

recognize each picture from a distance of about 40 cm. If he/she can not see one or even more of the pictures, a medical examination of the eyes is recommended.

Step
13

Cross-Test for binocular fusion (Angular Ametropia – long distance)



With the help of this test you can find out if the brain of the person tested is able to put the two slightly different pictures produced by the eyes together to one image. This is only possible when both eyes fix on the same spot – in case they can not, due to a defective position, this will lead to exhausting attempts of

compensation ending up in the loss of stereoscopic seeing. The test proceeds like this:

The person tested looks at the illuminated box with the cross through polarized glasses and describes the position of the vertical and horizontal bar of the cross. Dependent on this

description the supervisor can draw conclusions about the ability of binocular fusion.

This test is only a screening test. In case it reveals peculiarities, a further examination done by a qualified and well-equipped institution (optician) is highly recommended.

Scope of Delivery:

- ⇒ Luminous case with fixed cross
- ⇒ Glasses with polarization filters
- ⇒ Instruction Manual

Step
13

Screening-Kit for binocular fusion (long distance)



This Screening Kit is another device for testing binocular fusion in the distance. It consists of a transparency and red/green-glasses. On the transparency there are four groups of circles each of which has got a red, a green and a transparent circle in it. Each of these inner circles shows a picture.

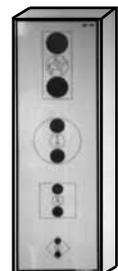
The person tested is asked to look at this transparency through the red/green glasses and to tell the supervisor which picture is shown in the circles of a group indicated before. In case the child sees a black spot instead of the coloured circle, a further examination of his/her ability of binocular fusion is highly recommended. In most cases, deficits in binocular fusion can be corrected by special glasses.

Luminous box for the test-transparency

This box provides a luminary background for the Screening-Kit transparency. It can easily be fixed to a wall and enables you to use you Screening-Kit in your therapy independently from other lights or windows.

Scope of Delivery:

- ⇒ Luminous box (with 1,80 m AC cord)
- ⇒ 2 fluorescent tubes
- ⇒ screws and dowels for fixing



Step
13

Art.-No.	Name and short description	Price incl. taxes	Meant for:	
		EURO (D)	Private	Profi
8037	Fixation object	14,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8029	Lang-Stereo-Test II (binocular fusion - short distance)	98,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8028-Set	Luminous box for the test-transparency	198,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Reading with Colours

Teacher's Set with coloured transparencies and a reading test

Apart from several malfunctions in reading, writing or motor coordination as well as weaknesses in seeing (binocular fusion) there are sometimes cases of so-called „word-blindness“.

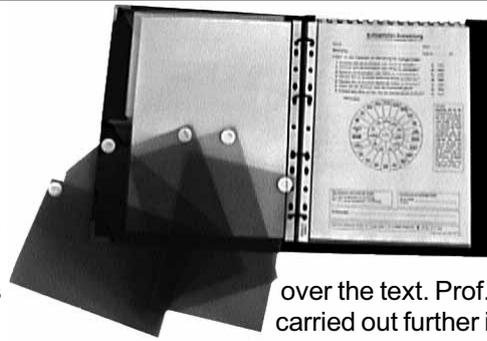
In recent years scientists found that different malfunctions of perception can only be treated with a combination of different actions. In the visual field, especially angular ametropia was examined and certain measures have been developed to overcome these deficiencies. Apart from this, there can be other problems in seeing which can be recognized by the following symptoms:

Symptoms :

- ⇒ refusal to read book except comics
- ⇒ frequent eye-rubbing, blinking or look of tension
- ⇒ headache (only mentioned when asked)
- ⇒ unnatural fast fatigue, falling asleep when reading
- ⇒ unwillingness to build a puzzle, paint or do craftwork

Possible Measures:

Beside certain aids for binocular fusion there are other opportunities to help children when they have difficulties in reading: A number of years ago the Californian psychologist Helen Irlen found that reading abilities with adults could be enhanced when coloured



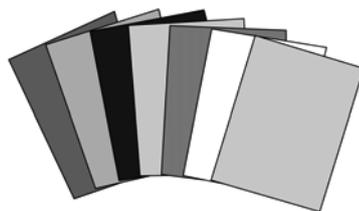
transparencies were placed

over the text. Prof. Mary Wilkins carried out further investigations

on this phenomenon and found that a number of dyslexic children had fewer difficulties in reading when using these transparencies that change the contrast of text and page.

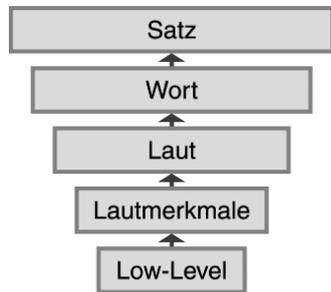
With the help of the Teacher's Set, which is based on the findings of Prof. Wilkins, it is very easy to find out if a coloured transparency can facilitate reading in case of dyslexia sustainably. This set consists of two sets of 12 transparencies of different colours, a test sheet, a reading test, two additional reading tests for different ages and a short manual. This test is designed to identify visual deficiencies. After the test has been done, it is recommended to use some transparencies for a longer period. In case there is an improvement in reading during this period, an experienced optician should do a more detailed examination of the eyes. In many cases, coloured glasses will help compensating certain deficiencies. Please contact us for information concerning qualified opticians.

Art.-No.	Name and short description	Price incl. taxes	Meant for:	
		EURO (D)	Private	Profi
8032	<i>Teacher's set (2 x12 transparencies and reading test)</i>	180,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8033	Set – 12 DIN A4 transparencies	150,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8033AP	Apple	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033AQ	Aqua	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033B	Blue	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033LE	Leaf	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033LI	Lilac	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033M	Magenta	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033N	Neutral	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033O	Orange	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033P	Purple	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033R	Rose	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033T	Turquoise	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8033Y	Yellow	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Why are Low-Level Functions important for Reading?

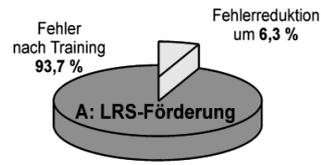
To start off at the beginning: What are Low-Level Functions? Prof. M. Ptok, head of the department of phoniatry and pedaudiology at the Medical University of Hanover, uses this term to describe the lowest of five stages of language competence. This stage consists of different capabilities such as pitch discrimination, spatial hearing, time decoding of speech, recognizing of frequency patterns and auditory reaction time. Although these capabilities do not have a *direct* influence on the child's command of language, they build the basis for learning a language which is done on the stages further above.



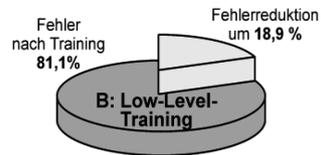
In her essay „Basic Auditory Central Processing Abilities and Phonological Awareness in pre-school children“ Nicole Buller (Medical University of Hanover) writes: „The results shown in this study can lead to the conclusion that there is a distinct correlation between a weak phonological awareness and malfunctions in basic processing functions of auditory perception in early years of age.“ This underlines the importance of low-level functions for language learning processes. It suggests that insufficiently developed low-level functions could cause weaknesses in reading and writing. To prove this assumption the following steps were taken:

- ⇒ Prof. Uwe Tewes (Medical University of Hanover) starts a standardization project in 2001 during which he raises data of seven low-level functions from 382 children between the age of 5 and 12 years within four disseminations. From these results, the norm date was developed.
- ⇒ A second study, also conducted by Prof. Uwe Tewes, compares these data with the ones of 28 dyslexic children and finds highly significant differences.
- ⇒ Sabine Michalski and Prof. Tewes start a training-study with 51 dyslexic and 41 children in a parallel group. The improved results they get after five weeks of training with the Warnke-method are highly significant.
- ⇒ The Ministry of Education of Thuringia asks Prof. Tewes to supervise another study in three primary schools. During this study the progress of three groups of dyslexics with different training measures after four months of training was compared. Here are the results:

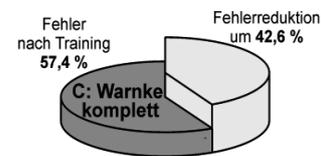
All children of the three groups attended the usual lessons at school in the morning.



Group A got extra lessons in reading and writing (traditional remedial training). The spelling-skills improved by 6,3 %.



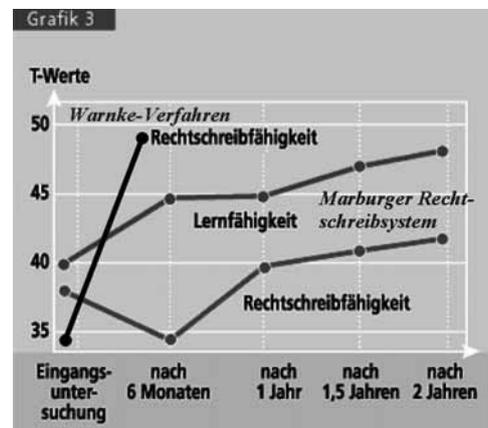
Group B did training of the seven low-level functions. The members of this group improved their spelling by 18,9 %.



Group C did low-level- and lateral-training. Here the improvement of spelling reached 42,6%.

Despite these results that show that is much better to fight the cause than to fiddle with symptoms, normal classroom teaching is still the most common method against dyslexia. A study by Prof. Remschmidt and Dr. Schulte-Körne (who describe their own method in this study) is still widely used as a „proof“ that teaching reading by reading and writing by writing is the „one and only“ method. The picture below is taken from this study. It makes the reader believe that the spelling-skills of the children involved have increased significantly but a closer look at the text reveals quite the contrary: „The use of the rules for sharpening consonants caused a considerable reduction of mistakes at this point“¹ In other words: The only thing the children learnt during the two years of training was only one thing: the rule for doubling consonants.

In order to make the comparison even more distinct we put in the results of group C from the study mentioned above. It speaks for itself!!



¹ From: Zeitschrift für Kinder- und Jugendpsychologie und Psychotherapie 25 (1998), pages 151 - 159

Brain-Boy® Universal (BBU) – A Multifunctional Device



VDE Prüf- und
Zertifizierungsinstitut
VDE VERBAND DER ELEKTROTECHNIK
ELEKTRONIK INFORMATIONSTECHNIK e.V.

CE 0366
EG 93/42/EWG

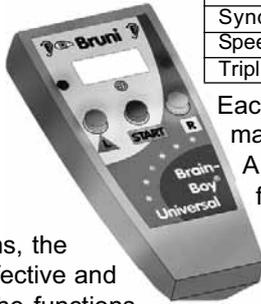


A well-working central processing consists of many functions in different parts of the brain such as:

- ⇒ Order Threshold (visual & auditory)
- ⇒ Spatial Hearing
- ⇒ Pattern Recognition
- ⇒ Pitch Discrimination
- ⇒ Auditory Motor Coordination
- ⇒ Choice Reaction Time

With its seven different game programs, the Brain-Boy Universal offers an easy, effective and scientifically proven way to enhance the functions of your central hearing.

- ⇒ **Order Threshold:** Two tones or light-flashes are produced. The person practising is asked to identify on which side he/she heard/saw the first. (Interval-Range: 5-800 ms)
- ⇒ **Spatial Hearing:** The direction of a click that seems to come from a point near the middle of the head must be identified. This is for training spatial hearing. (Range 20 – 800 µs)
- ⇒ **Pitch Discrimination:** Two sounds of different pitch are produced. The person practising must recognize their difference and order. (1 – 80%)
- ⇒ **Auditory Motor Coordination:** In this programme, the user must press buttons according to clicks he hears in his headphones. If he/she does this in synchrony with the device, the speed will increase. (Range 160 – 900 ms)
- ⇒ **Choice-Reaction Time:** This is a combination of pitch discrimination and reaction. Here the user must identify the difference of the two tones given, know where they came from and name them as quickly as possible.
- ⇒ **Pattern Recognition:** This programme produces three tones one of which is different and must be recognized. In case of success, the duration of the tones and the interval in between are shortened. (Range 10 – 800 ms)



Program	Standard-BBU	Langsamer BBU
Brain-Boy	5 - 800 ms	10 - 1600 ms
ClickBoy	20 - 800 µs	36 - 1600 µs
Sound-Boy	1 - 80 %	2 - 160 %
Sync-Boy	160 - 900 ms	
SpeedBoy	ISI: 120 / 400 ms	
TripBoy	10 - 800 ms	20 - 1600 %

Each program can be started at different levels to make it suitable either for beginners or experts.

A simple menu-system guides you through all functions, you only have to use two of the three buttons of the BBU for navigation. When developing the BBU, we attached great importance to an easy handling and that is why we designed two manuals: a special one for children and one for adults.

There is another special feature in the BBU: In case of a correct answer the BBU will praise you per voice output and will increase the difficulty. Thus, the user gets an immediate and motivating feedback. If the BBU is used by older children or adults the voice output can be switched off.

Delivery Scope:

- ⇒ Brain-Boy® Universal with battery
- ⇒ Headphones MT-HS-16-II (3,5 mm jack-plug)
- ⇒ two Manuals

Advice from experienced users

In case you have a vast number of different patients using the same BBU, please use a headphone type MT-70 (open system) with your BBU. We found that many children do their training in a more concentrated way with these headphones. Thus you will get better training and valid test-results.

Foam-Case for your BBU



This foam-case enables you to operate your BBU with one hand only. The case is slightly sloped which makes the buttons easily accessible. It also protects your BBU in case it falls to the ground.

Wall-fixation for your BBU

This wall-fixation will give your BBU a defined place. Therefore, you do not have to look for your BBU. The fixation is mounted to the wall and between fixation and wall there is a small slot to hang in the headphones.



Art.-No.	Name and short description		Price incl. taxes	Meant for:	
			EURO (D)	Private	Profi
2222	Brain-Boy®-Universal	Standard!	180,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2226	Brain-Boy®-Universal	slow!	190,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9059	Foam-Case for your BBU		15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B 00574	Wall-fixation for your BBU		10,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The Warnke Lateral-Training

Improvement of Central Automation and Coordination of the Hemispheres

For more than ten years therapists and teachers have been using the Lateral Training which was developed by Fred Warnke and patented under Nr 39 39 401 (German Patent).

In more than 2000 therapeutic and pedagogic institutions and practises, the Lateral Training has become an important part in programmes to improve automatic perception and processing.

There is an even greater number of families who were able to improve their children's language skills (spoken and written) with this important part of the Warnke-Method.

In most cases, malfunctions in language development could be reduced or completely eliminated which led to a clear improvement in reading and writing.

How does Lateral-Training work? –The constant change of direction of two different voices that seem to walk around the head forms the main principle of the Lateral Training. Working with this technique is a demanding training that stimulates the coordination of the brain-hemispheres to a high degree.

Particularly the hearing and processing of two voices at the same time coming in from two different channels have proven to enhance the function of the

„communication line“ between the hemispheres, the Corpus Callosum.

After some training units you may include the special glasses, exercises for motor skills (with the wobbling board, for example) or other implements to your training-scheme. All these are important supplements of the Lateral Training.

There are two different devices for Lateral Training. For home-use we have developed the *Audio-Video-Trainer AVT-7000 III* whereas for clinical or practise employment we recommend the *Lateral-Trainer Professional LT 3.0*

4

Rent-A-Trainer:

For easy beginning and evaluation, MediTECH offers you to rent a Lateral-Trainer before you buy it. You can rent all devices you need for a monthly fee of 10% of their value and you can rent them for an unlimited period. The first three rates will be fully or partly credited in case of later purchase w:ithin three months. Do not hesitate to contact us for more detailed information.

Audio-Video-Trainer AVT 7000 III (Home-Trainer)



The AVT-7000 was developed especially for training at home where the user can practise in a familiar and acquainted atmosphere. We recommend, however, that this kind of training should not be done alone but accompanied by a qualified therapist. The Lateral-Training can be divided into three main steps:

- ⇒ First the person practising listens to a story or song in lateralized mode coming by headphones.
- ⇒ After that the user reads the text himself and hears his own voice in lateralized mode via headphones.
- ⇒ Finally the user tries to read in synchrony with the one on the CD. He hears both voices lateralized in his headphones. This step can be supported by the special glasses which darkens the right and left glass in turns. It is possible to make both glasses transparent for a short interval.



- The most important features of the AVT-7000 III are:
- ⇒ Input socket for two microphones
 - ⇒ Socket to operate the special glasses (mentioned above)
 - ⇒ Built-in special consonant enhancement
 - ⇒ Built-in noise generator
 - ⇒ Mono/Stereo Mode (Suitable for dummy-head-recordings)

Recommended Add-Ons

- 2 special headphones (MT-70 / MT-301)
- 2 special microphones (MT-DS-50)
- 1 CD-Player
- 1 Connection-cable between CD-Player and AVT-7000
- 1 pair of special glasses
- CDs and texts according to age and capability of the patient

Alternative

- 1 Head-Set (MT-801)

Art.-No.	Name and short description	Price incl. taxes EURO (D)	Meant for: Private Profi
8025	Audio-Video-Trainer 7000 III	360,00	<input checked="" type="checkbox"/> <input type="checkbox"/>

Lateral-Trainer Professional LT 3.0 (L)

The Lateral-Trainer Professional LT 3.0 was developed for professional users. Many useful features, especially the great number of setting facilities offer a wide range of application for numerous eventualities in different patients.



The basic difference between the home-trainer and this professional device are the far more precise setting facilities of the latter. You can, for example, set the hold-intervals of auditory and visual lateralization for each ear or eye with an accuracy of 0.2 s within a wide range.

The Lateral-Trainer Professional LT 3.0 is highly applicable for group-work because there is the opportunity to connect an additional headphone-distributor with integrated amplifier (KV-3-II). This component enables you to work with up to seven headphones. Using two headphone distributors, you can even work with twelve headphones on one LT 3.0.

Integrated Sound Discrimination Trainer

Beside the standard version, the LT 3.0 is available with a built-in sound discrimination trainer (LT 3.0 L). All functions of the standard version can be used with this additional part, too. The discrimination trainer can produce eight different meaningless words („ETI“, „EFI“, „EKI“ and so on), the order of which is randomized. The patient must identify the consonant in the middle and – dependent on age and capability – can either answer by pressing a button himself or repeat the word aloud. In this case, the therapist presses the answer buttons according to what the patient has told him.

Another useful tool for the lateral training:

Special reading aid (Miniature Lamp)

- Branded article (VARTA)
- Easy tracking of syllables in a text
- Including 2 batteries
- Only 14 cm long / weight 36 g



The special merits of the LT 3.0 are

- Start right out of the box – pre-settings allow a quick and easy start
- Mono/Stereo Mode
- White noise to be added in steps of 2 dB (from –30 dB to 0 dB)
- Accurate setting for each function with the help of a numeric display
- Display of visual and auditory lateral position
- „Stop lateralization“ – button
- two microphone sockets
- adjustable lateral width
- suitable for dummy-head recorded CDs
- consonant enhancement facility (according to Warnke)

Only our Lateral-Trainers are equipped with a consonant enhancement by default. This function enhances those parts of spoken language which are important for understanding such as certain frequencies and critical consonants.



Recommended Add-Ons

- 2 – 6 headphones (MT-70/MT301)
- 1 headphone-distributor
- 2 special microphones (MT-DS-50)
- 1 CD-player
- 1 Connection-cable between CD-Player and AVT-7000
- 1 special glasses
- CDs and texts according to age and capability of the patient

Alternative to separated headphone & microphone

- 1 Head-Set (MT-801)

Special Case

Forget problems of complicated wiring and different plugs. With our MediTECH Special Case you only connect the case to an AC source and start working with your LT 3.0 right away

Art.-No.	Name and short description	Price incl. taxes	Meant for:	
		EURO (D)	Private	Profi
9032	Lateral-Trainer Professional 3.0 L - with Speech Discrimination Trainer	695,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9058	Special reading aid	9,80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Audio Accessories

Headphones and Microphone

Open Headphones MT-70 *MediTECH* by AKG



- branded article developed in cooperation with *AKG acoustics*
- open, dynamic stereo system
- very high fidelity
- high wearing comfort
- suitable both for digital and analog sound source
- frequency range: 20-20000 Hz
- impedance: 100 ohms
- acoustic pressure: 105 dB/mW
- for 3.5 mm or 6.35 mm phone jack
- cable length: 3 m

Ear-enclosing Headphones MT-301 *MediTECH* by AKG



- branded article developed in cooperation with *AKG acoustics*
- fine-textured membrane for high fidelity of reproduction (highly precise construction of the transducing membrane)
- suitable both for digital and analog sound source
- well-balanced sound characteristics
- frequency range: 20-25000 Hz
- acoustic pressure: 94 dB/mW
- impedance: 100 ohms
- for 3.5 mm and 6.35 mm phone jack
- cable: 3 m

Microphone MT-DS-50 *MediTECH* by AKG



- branded article developed in cooperation with *AKG acoustics*
- high quality dynamic microphone
- impedance: 530 ohms
- frequency range: 50 – 20000 Hz
- sensitivity: 2.3 mV/BA 52 dB V
- 5 m cable
- weight: 425 gr.
- for 3.5 mm and 6.35 mm phone jack
- specially developed for use in Lateral-Training
- manufactured according to regulations for medical products
- *When working with children we recommend a microphone stand.*

Microphone Stand



- consists of stand and microphone clamp
- suitable for microphone MT-DS-50 (7963)
- protects microphone and cable from mechanic loads
- facilitates handling for children
- children can use both hands for their books
- stand and clamp separately obtainable
- *In case you want to use an other type of microphone, please inform us.*

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
7961	Headphones MT-70	60,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7962	Headphones MT-301	110,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7963	Mikrophone MT-DS-50	65,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7976	Mikrophone Stand	12,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Headset – Headphones and microphone in one

Headset MT-HS-801



- ear-enclosing dynamic headphone set and dynamic microphone
- little weight (280 gr. only)
- high wearing comfort
- one-sided cable routing
- for 3.5 mm and 6.35 mm phone jack
- frequency range: 14 – 21000 Hz (headphones), 40 – 16000 Hz (microphone)
- impedance: 300 ohms (headphones), 200 ohms (microphone)
- level of acoustic pressure: 98 db/mW
- audio cable: 2,20 m

Stereo Headphones MT-HS-16-II



- Headphones for *Brain-Boy*® Universal, *Brain-Boy*® Universal Professional, etc.
- 3.5 mm phone jack
- 1.2 m audio cable
- certified for training in accordance with regulations for medical products (EN 60601)
- *Not suitable for Lateral-Training!*

Distributor

Headphones Distributor KV-3-II



- allows operation of up to six headphones on one output socket (6.35 mm phone jack)
- integrated 6 dB amplifier
- excellent sound quality
- easy to connect

Included in delivery:

- Headphones distributor
- AC-Adapter
- connection cable (6.35 mm phone jacks)
- 2 spare fuses

Advancement!

NEW:

- second audio input with adjustable volume – enables you to adjust the of volume of external signals
- allows adding a second sound source with noises or not-lateralized music
- volume adjustment of *Brain-Boy*® Universal sound signals



6

Audio Distributor



- Allows simultaneous operation of two CD-Players with one Lateral-Trainer: e.g. text-CD with additional background music or noise

- can join 2 cinch-couplers to one cinch-plug
- total length of distributor incl. cable: 95 cm

NEW!

Audio Devices

Portable CD-Player



- branded device (Philips, Panasonic or Grundig)
- incl. AC-Adaptor and earphones
- integrated MP3-player
- plays CD, CD-R and CD-RW-media
- Anti-Shock-System (storage for 100 seconds)
- *We reserve the right to deliver an identical succeeding model in case the described model is no longer available.*

It's necessary to use the special cable (Art.-No. 8323 / page 29) if you use a CD-Player together with a Lateral-Trainer.

If you use a portable CD-Player you additionally need the connection cable (Art.-No. 8334 / page 29).

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
7977	Headset MT-HS-801	225,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MT-HS-16-II	Stereo-Headphones MT-HS-16-II by MedITECH	12,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9046	Headphone Distributor KV-3-II	135,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9048	Audio Distributor	48,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8010	Portable CD-Player	99,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Other Accessories

Spare parts for accessories



- ear pads for MT-70 (open system)
- ear pads for MT-301 (compact system)
- ear pads for MT-HS-16
- ear adaptation for the special glasses
(you need one pair for one set of glasses)

Laserpointer



- small and elegant, weight: only 45 - 53 g
- laser keyring pendant and laser pen (incl. batteries)
- safely stored in a hard-top box
- helpful tool for presentations and lectures
- useful when working with the "Reader for Midgets"
(*"What is it I am just pointing at?"*)

Card Reader for Compact-Flash-Cards

- necessary for data transfer from the *Brain-Boy*® Universal Professional to your computer
- for fast data transfer between storage cards and PC
- runs in USB 2.0 and USB 1.1 mode
- allows direct copying from card to card
- MultiSlot device for CF-Cards type I and II, Memory-Stick-Cards, Memory-Stick-Pro, MMC-, SD- and XD Cards.



MediTECH® Special Cable for CD-Player and Lateral-Trainer



- adapts Neutrik-system to 2x-Cinch plug
- 1500 V resistant – according to regulations of the MPG
- obligatory for operating a CD-Player with a Lateral-Trainer
- For the Lateral-Training an additional connection cable is required using a portable CD-Player (see right).

According to the rules of the German Law for Medical Products (MPG) it is only possible to connect a CD-Player to a Lateral-Trainer using this special cable. The manufacturing of this cable is comparatively expensive.

Connection Cable: Special cable to connect further devices



- necessary supplement for the special cable (Art.-No. 8323) in case of using a CD-player
- allows order threshold training under harder conditions (background noise, music, etc)
- allows lateralized playing of speech recordings with a computer
- stereo connection cable (connects *Brain-Boy*® or sound card (3.5 mm phone jack) with the AVT 7000 III / LT 3.0 special cable: cinch bush)
- standardized cable with specially tuned conductance

6

Art.-No.	Name and Description	Price incl. VAT		Meant for:	
		EURO		Private	Pro
8557	Card Reader for <i>Compact-Flash-Cards</i> (and other formats)	19,90		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2401	Laserpointer	36,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7979	Ear pads for MT-70 (open system) (one pair)	9,60		<input type="checkbox"/>	<input checked="" type="checkbox"/>
7978	Ear pads for MT-301 (ear-enclosing system) (one pair)	18,40		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8333	Ear pads for stereo headphones (one pair)	2,00		<input type="checkbox"/>	<input checked="" type="checkbox"/>
B 00243	Ear adaption (single prize)	2,50		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8323	Special Cable for CD-Spieler – Lateral-Trainer	45,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8334	Connection Cable - <i>connecting further devices</i>	6,90		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Technical Accessories

Special Glasses



- special glasses for Lateral Training
- special plug for AVT-7000 III or LT 3.0 (L)
- comfortable wearing with special ear- and nose-adaptations
- can be used with a normal pair of glasses at the same time because of the adaptable ear piece

Note: Spare parts are described on the previous page.

- extension cable available (1 m) (see below)
- incl. ear pad and spare ear piece
- weight: 43 g, cable length: ca 3 m



Note: When you order special glasses separately please inform us of the model version of the Lateral-Trainer you are using.

Plugs, Cables and Adapters

Distribution Plugs



- Distribution plug for operating two headphones at the same time
- 3.5 mm and 6.35 mm phone jack available

Extension Cable



- extension cable for headphones
- available in different lengths and with different plugs
- *Note:* Each new cable connection can worsen the sound quality. So try to use as few cable extensions and adaptation plugs as possible.

Adaptation Plugs



- various transitions from 6.35 mm to 3.5 mm bushes available (screwed or plugged)
- available in stereo (for headphones) and mono (for microphones)

When you order an adaptation plug, please tell us for which device you intend to use it.

for headphones (stereo: two black rings)
Art.-Nr. 8311 (plugged) for MT-70, MT-HS-801

Art.-Nr. 8312 (screwed) for MT-70, MT-301

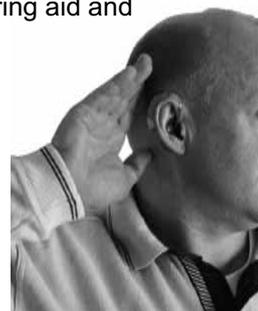
for microphones (mono: one black ring)

Art.-Nr. 8314 (mono) for MT-HS-801, MT-DS-50

Connection Cable for Hearing Aids



- high quality euro-standard plug made by Sennheiser
- allows Low-Level- and Lateral Training for people wearing a hearing aid
- sound transfer to both ears
- requires an euro-standardized socket at the hearing aid and an „audio shoe“



Induction Spool Cable for Hearing Aids



- high quality induction spool bow to be placed at the hearing aid
- long cables allow Low-Level and Lateral Training for people wearing a hearing aid
- sound transfer to both ears
- requires a hearing aid with induction spool

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
8023	Special Glasses	120,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8315	Distribution Plug (6.35 mm)	7,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8316	Distribution Plug (3.5 mm)	7,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8313	Extension Cable 6.35 mm - length: 5 m	9,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8327	Extension Cable 3.5 mm - length: 3 m	6,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8328	Extension Cable 3.5 mm - length: 5 m	9,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8311	6.35 mm Adaptation Plug to 3.5 mm bush (stereo - plugged)	2,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8312	6.35 mm Adaptation Plug to 3.5 mm bush (stereo - screwed)	2,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8314	6.35 mm Adaptation Plug to 3.5 mm bush (mono - screwed)	2,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8317	3.5 mm Adaptation Plug to 6.35 mm bush (stereo)	2,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8332	Audio Cable: 6.35 mm plugs - STEREO phone jack, 1.15 m	6,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8341	Audio Cable: 6.35 mm to 3.5 mm STEREO, phone jacks	6,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7945	Euro Standard Cable: Connection Cable for Hearing Aids	40,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7946	Induction Spool Cable: Connection Cable for Hearing Aids	109,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Equipment Alternatives

On the following four pages you will find ready-to-use equipments for **Diagnosis, Low-Level Training and Lateral Training.**

Diagnosis

DIA-1: Starter-Set with minimal test and training equipment (Art.-Nr.: 2224) with:



1. Brain-Boy® Universal

Device for testing and training the seven important central functions, such as order threshold, pitch discrimination, etc.

(Further information: Page 15)

2. „Insight into the Warnke Method“, the CD including the Perception Discrimination test and a lecture on dyslexia by Fred Warnke with numerous hearing examples.

(Further information: Page 10)

DIA-2: Supplementary Starter-Set for testing and training the perception discrimination (Art.-Nr.: 6829) with:



1. WPST – Wedemark Perception (Discrimination) Selectivity Test

This Software enables you to test and train both the perception discrimination and the choice reaction time of your proband.

(Further information: Page 47)

2. Stereo headphones MT-70 (high quality brand)

3. Dynamic microphone MT-DS-50 (high quality brand)

(Further information: Page 27)

DIA-3: Literature Set for the testing procedure (Art.-Nr.: 2080):



When you start working with the Warnke-Method it is important to know the basics. For example: Which abilities are important for understanding spoken language? Or: How can you test spatial hearing in the most reliable way? Why is it

important at all?

The answers will be found in this literature set:

1. The Practice Handbook for the Warnke-Method

Basic elements and background information for your daily work. Meaning and importance of several functions are explained.

(Further information: Page 38)

2. Handbook for the “Extended Testing Procedure“

Step-by-step instruction for the test procedure - written by an experienced therapist.

(Further information: Page 12)

The mobile practice - testing Warnke on the move



- ⇒ Hearing Test (“Hour Glass“)
- ⇒ Balancing rod
- ⇒ Wedemark Reading Test
- ⇒ Audio-CD: “Insight into the Warnke-Method“
- ⇒ Software: Orthofix + WPST
- ⇒ Screening Kit for testing Binocular Fusion in the distance (incl. red/green glasses and window-stickers)
- ⇒ Lang-Stereo-Test - Testing the binocular fusion in short distance
- ⇒ Object for fixation
- ⇒ Documentation with test-forms, sheet for memory-test and detailed instructions concerning the test procedure.
- ⇒ Handbook for the „Extended Testing Procedure“

Art.-No.	Name and description	Price incl. VAT		Meant for:	
		EURO (D)		Private	Pro
2224	DIA-1 - Starter Set	215,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6829	DIA-2 - Testing and training the perception discrimination	223,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2080	DIA-3 - Literature Set for the test procedure	218,90		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10022	Testcase for the mobile use (incl. content)	620,90		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Equipment Alternatives

Professional Low-Level-System (BUP)

BUP-Set 1: Starter-Set for Low-Level-Test and Training (Art.-No.: 10001):



1. **Brain-Boy® Universal Professional (BUP)**
2. **Headphones MT-70 (open system)**
3. **CF-Card Reader (for data transfer to the MedTOOLS software)**

BUP-Set 2: Mobile, professional Low-Level-Test and Training (Art.-No.: 10002):



**Content like BUP-Set 1 plus:
Low-Level-Training Case**

A detailed description of this case can be found on page 34.

The set articles (including the usual delivery

content of the BUP) are integrated into the case and therefore are always available and ready to hand.

Lateral-Training

LAT-2: Starter-Set for the Lateral Training at home (Art.-No.: 9049) with:



1. **Audio-Video-Trainer AVT 7000 III**

2. **Accessories:**

- ⇒ 2 stereo headphones ⇒ special cable ⇒ opt.: portable CD-Player
- ⇒ 2 microphones ⇒ opt.: special glasses ⇒ opt.: headphone distributor

3. **and optional exercise material** (CDs with identical literature):

- ⇒ "Bo and his Friends" ⇒ "28 Stories to laugh" ⇒ "My Friend Hifino"

LAT-3: Starter-Set for the Lateral Training at home – integrated into a case (Art.-No.: 9051):



1. **Audio-Video-Trainer AVT 7000 III**

integrated into the new „AVT Training Case“ (Page 34)

2. **Accessories:**

- ⇒ two stereo headphones ⇒ a portable CD-Player ⇒ special glasses
- ⇒ two microphones ⇒ a microphone stand ⇒ necessary cables

3. **and exercise material** (CDs with identical literature):

- ⇒ "Bo and his Friends" ⇒ "28 Stories to laugh" ⇒ "My Friend Hifino"

If you order everything together, the equipment will be integrated into the new AVT Training Case.

LAT-4: Practice Set for the Lateral Training (Art.-No.: 9052):



1. **Lateral-Trainer LT 3.0 L**

2. **Complete set of accessories:**

- ⇒ stereo headphones (MT-70) ⇒ 2 microphones ⇒ 1 portable CD-Player
- ⇒ stereo headphones (MT-301) ⇒ special glasses ⇒ 1 microphone stand
- ⇒ headphones distributor KV-3-II ⇒ necessary cables

3. **and exercise material** (CDs with identical literature):

- ⇒ „Bo and his Friends“ ⇒ „Die schönsten Leselöwen-Geschichten“ ⇒ „My Friend Hifino“
- ⇒ „28 Stories to laugh“ ⇒ „Meaningless Sentences“

Art.-No.	Name and description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
10001	BUP-Set 1 - Low-Level Test and Training	1.068,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10002	BUP-Set 2 - Mobile Low-Level Test und Training	1.148,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9049	LAT-2 - Lateral-Taining at home (without optional accessories)	655,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9051	LAT-3 - Lateral-Training at home – integrated into a case	1.071,70	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9052	LAT-4 - Practice Set for the Lateral-Training	1.629,50	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LAT-5: Professional Set for the Lateral Training (Art.-No.: 9053) in a case with:



Integrated into the Lateral Training Case (see below)

1. **Lateral Trainer LT 3.0 L**
2. **complete set of accessories:**
 - ⇒ 1x Stereo headphones (MT-70) ⇒ 1 microphone ⇒ 1 portable CD-Player
 - ⇒ 1 stereo headset ⇒ special glasses ⇒ 1 microphone stand
 - ⇒ headphone distributor KV-3-II ⇒ necessary cables
3. **and exercise material** (CDs with identical literature):
 - ⇒ „Sing mit“ - Kinderlieder ⇒ „28 Stories to laugh“ ⇒ „My Friend Hifino“
 - ⇒ „Bo and his Friends“ ⇒ „Die schönsten Leselöwen-Geschichten“ ⇒ „Artikulations-CD“
 - ⇒ „Meaningless Sentences“

The complete equipment will be integrated into a **special case**. When you receive the equipment - everything will be ready to use.

General conditions for ordering sets:

If you like to have a set for your special needs – just contact us by phone and we will assemble an appropriate set for you. We also offer individual conditions of payment like installment or leasing. Please do not hesitate to contact us. For stand-alone devices from 300 Euro on, *MediTECH* offers an additional rent-and-tryout model. You can lease a device for an unlimited period of time for a

monthly fee of 10% of the device's value. This enables you to test functionality and handling of the device without obligation. Please note that the Lateral-Training method needs time for lasting success. Although you will notice good progress in the beginning you will need between 12 and 24 months to maintain the results as long-term capabilities.

Training Case for BUP and AVT



“BUP taking a trip.“ or “The travelling AVT.“
These headlines shall give you an idea of this special case solution for easy transport and saving space.

The “BUP-Case“

For large practices or home-visiting therapists this case solution will prove as a nice facilitation of their daily work. The case offers enough space for the *Brain-Boy Universal Professional* (BUP), its complete delivery and the additional accessories (headphones). The lower part of the case is separated with dividing foam elements that provide a proper placement, easy access to and secure transport of the devices integrated into the case.



The “AVT Case“

This case allows families to put the whole equipment safely aside in case it is not used. All components of the system are wired and ready to use. The cables are securely placed, which prevents that they get entangled.

After the training the case can be put away and be used again at any time you like without having to arrange the devices again and again.

Data:

Dimensions: 45 cm wide
16 cm high
35 cm deep

Weight:
with content: 2.4 kg
BUP Case: 4.0 kg
AVT Case: 6.8 kg

included in delivery:
- triple AC socket

Art.-No.	Name and Description	Price incl. VAT EURO (D)	Meant for:	
			Private	Pro
9053	LAT-5 - Professional Set for the Lateral-Training (in case)	1.972,60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9054	Training Case for BUP and AVT (without content)	80,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The Lateral Training Case - a practical and space saving combination



Now the cable entanglement of the intensive Lateral Training is over. All parts - from the microphone or the headphones to the textbooks - find their place in this case and can therefore be transported easily. You find enough space in the top part of the case to stow away the textbooks and CDs. In the practice the LT 3.0 (L) - using this case - can be easily carried from one room to another. It is also very practical for visiting patients at home. If you like to use the AVT-7000 instead of the Lateral Trainer 3.0 this device can be integrated into the case easily. After the training is done you just close the case and everything is stored safely and protected from "playing children". Components such as Lateral-Trainer, headphones

or trainings material are not included in the price shown below. On demand and without extra charge we offer to equip the case with the components you order.

Data:

Dimensions: 58 cm wide
17 cm high
36 cm deep

Weight:
without content: 4,2 kg
with content (LT 3.0): 9,5 kg
with content (AVT 7000 III): 7,6 kg

The case offers space for:

- ⇒ Lateral Training device: AVT 7000 III / LT 3.0
- ⇒ 2 headphones, 2 microphones and special glasses
- ⇒ CD-Player
- ⇒ training material (CDs and textbooks)
- ⇒ *group work:* headphone distributor

Art.-No.	Name and Description	Price incl. VAT EURO (D)	Meant for: Private Pro
9036	Lateral Training Case (without content)	260,00	<input type="checkbox"/> <input checked="" type="checkbox"/>

Arrangements for training devices - necessary accessories

For the Lateral Training devices shown on the previous pages some accessories are necessary. Without these accessories the work with the training devices is not at all or just insufficiently possible. To facilitate the selection of the accessories we offer you a list with recommended arrangements on this

page. Using this "checklist" you can easily check if you dispose of the necessary accessories. We will be pleased to assist you by phone.

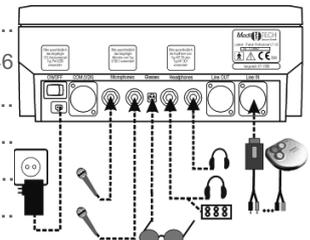
The page numbers help you finding the specified accessories.

Note: According to the regulations of the German Law for Medical products we are obliged to inform you that **only MPG-certified**

accessories (like headphones and microphone) are allowed to be used with our electronic test and training devices.

1. Audio-Video-Trainer AVT 7000 III (8025) or Lateral-Trainer Professional (LT 3.0) (9032) 18/19

- 2 - 6 high quality headphones (MT-70 (7961) oder MT-301 (7962)) 27
- poss. headphone distributor KV-3 for up to 6 more headphones (9046) 29
- 2 high quality dynamic microphones (MT-DS-50) (7963) 27
- alternatively: 1 - 2 headsets (MT-801) (7977) 28
- poss. 1 - 2 microphone stands with holding (7976) 27
- 1 CD-Player (8010) 28
- 1 special cable for connecting the CD-Player (8323) 29
- poss. connection cable (between special cable and portable CD-Player) (8334) 29
- 1 pair of special glasses with LCD-dimmer (8023) 30
- Age-based CD- and text training material (best in artificial head stereophony) 20 ff.
- poss. special case for mobile test and training 33 ff.



2. Brain-Boy® Universal Professional (BUP) (10000) 9

- MediTOOLS Service Contract (6106) 46
- CF-Card Reader (8557) 29
- Ear-enclosing headphones MT-301 MediTECH by AKG (7962) 27
- or alternatively*
- Open headphones MT-70 MediTECH by AKG (7961) 27



Special Case for ambulant use (Components for testing and training together in one case)

This special case was particularly designed for practitioners and therapists visiting patients at home and to avoid the entanglement of the components' cables. It is a mobile station for testing and training that allows the use outside the practice, as all necessary devices and accessories have their proper place. As soon as the devices are wired inside of the case, you just need a socket to start with the therapy. The case offers space for each component and every device is perfectly accessible. You can also use the case within your premises in order to store the devices and materials for the Warnke-Method protected from damages needing only very little space.

The case can be equipped with the devices and accessories listed below:

- ⇒ Lateral-Trainer LT 3.0 (L)
- ⇒ portable CD-Player
- ⇒ BUP (Brain-Boy® Universal Professional)
- ⇒ two microphones for the Lateral-Training
- ⇒ up to four or six stereo headphones and a headphone distributor
- ⇒ special glasses for the Lateral-Training
- ⇒ chimes
- ⇒ balancing rod
- ⇒ noise generator
- ⇒ screening tests of the binocular fusion (short and long distance)
- ⇒ Brain-Boy®-Universal
- ⇒ up to six additional hand held devices like:
 - ⇒ Brain-Boy®
 - ⇒ Synchro-Trainer
 - ⇒ Four-tone Generator
 - ⇒ Binaural-Fusion Tester
 - ⇒ Sound-Trainer
- ⇒ First Reader for Midgets (A3 or A2)
- ⇒ various CD- and textbook materials

The special case is divided into partitions of different sizes, which offer a fixation for the devices and an appropriate arrangement. Moreover cable ducts are integrated to avoid the entanglement of cables.

While in one half of the case the testing devices can be stored, the other is prepared for the training devices. As you need to connect some of the devices to power, a multiple power socket is preinstalled in this half as well.

The case can be stored easily in any car's luggage-boot. Besides this there is a pull-out handle with the help of which the case can be moved on its castors quite comfortably.



Note: Of course we offer the service to deliver fully equipped cases as well – just order and we will prepare the case corresponding to your wishes. This Med/TECH service doesn't lead to any additional costs.

Data:

Dimensions: 87 cm wide / 25 cm high / 51 cm deep

Weight:

with content: 12 kg

without content: 20 - 22 kg (depending on equipment)

Design:

- high quality aluminium case with two locks (incl. two keys)
- upper and lower half (separately transport- and usable)
- pullout handle and castors for easy transport

Delivery:

- case (as described above)
- AC-socket for the external power supply
- manual for the internal cable connection

Art.-No.	Name and Description	Price incl. VAT EURO (D)	Meant for: Private Pro
9035	Special Case for the ambulant use (without content)	429,00	<input type="checkbox"/> <input checked="" type="checkbox"/>

Balancing Devices for Automation and Coordination Ability Training

Many children have serious difficulties when they want to do two actions simultaneously. Already comparatively easy things like walking and talking at the same time can lead to those problems. However, if the child has to face more difficult situations like riding a bike, using the arm to indicate turning and simultaneously has to watch traffic and traffic signs it's likable that this will be too much for the child. This shows that coordination and automation deficits can lead to difficulties or even danger.

Therefore it is essential, especially for children, to build up brain structures that allow two actions simultaneously with one action being performed unconsciously. For the training of balance and to activate and support structures that allow several actions simultaneously, the devices described below are suitable to be playfully and imaginatively integrated in your work.

„Automatically is – when you are able to do something without thinking“ – Adrian, 7 years.

Seesaw Board

- ⇒ Height: 18 cm, platform size: 60 x 60 cm
- ⇒ Covered with nonskid-rubber
- ⇒ No neutral position (a practising person must always try to keep the balance)
- ⇒ Step-by-step manual appropriate for children
- ⇒ Balance and coordination training in various positions
- ⇒ Two balls and one eye mask included in delivery
- ⇒ Is part of the "Warnke Extended Testing Procedure"



Roll

- ⇒ Height: 50 cm, diameter: 40 cm
- ⇒ Covered with nonskid-rubber
- ⇒ Balance training in sitting, standing or walking



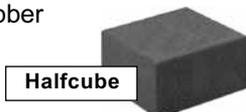
Carousel

- ⇒ Diameter: 35 cm, height: 8 cm
- ⇒ Platform covered with nonskid-rubber
- ⇒ Balance training: passiv and active turning without losing the balance
- ⇒ Development of coordinative structures
- ⇒ Training of visual fixation



Halfcube

- ⇒ Height: 25 cm, platform size: 50 x 50 cm
- ⇒ Covered with nonskid-rubber



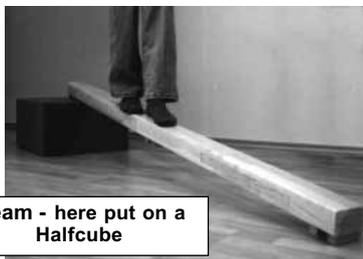
Scooter

- ⇒ Dimensions: 80 cm x 35 cm, height: 10 cm
- ⇒ Varnished wooden board with rounded corners and smooth running wheels
- ⇒ Encourages the trust between therapist and patient - very good for the work with children
- ⇒ Impressively trains the balance, body feeling, coordination and body perception



Balancing Beam

- ⇒ Length: 200 cm, width: 10 cm, height: 6 cm
- ⇒ Braces underneath for combination with half-cube or wall-bars
- ⇒ Fields of application: balance training, visual fixation
- ⇒ Can be used in various positions



Since this beam is bulk good, an extra shipping charge is necessary!

Beam - here put on a Halfcube

NOT TO BE USED AS A SKATEBOARD!

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2377	Seesaw Board (incl. Trainings Manual, two balls and eye mask)	165,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2379	Roll	132,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2381	Halfcube	153,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2382	Carousel	112,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2387	Scooter	81,50	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Catch the Ball



Throwing a ball up in the air and catching it again seems not to be a problem. If you take a basket instead of your hands to catch the ball it might get quite more difficult. The device works like that: if you push the button of the device, the ball will be shot up in the air. To catch the ball when it falls down again you have to aim the basket at the falling ball, so that the opening of the basket is right below the ball.

This game requires a lot of skill concerning the hand-eye coordination and good reactions. It can be used both inside and outside for a single person or as a group game with increasing difficulty and as much participants as you like. One set of "Catch the Ball" consists of two coloured baskets and two coloured plastic balls.

Lying Eight



This instrument is a very good help to playfully improve both the coordination and cooperation of the brain hemispheres. The game consists of an eight-shaped wooden board with alleys for metal balls. The aim is to move the alley in a balanced position in which the ball(s) roll along the alley as long as possible without dropping out.

From the therapist's point of view this has proved a good exercise for eye-hand coordination as the patient must exactly follow the ball(s) with the eyes

and act accordingly to the movement of the balls with the hands. The longer the patient practises the game the more subtle his coordinative abilities will become. Thus the fine motor skills, the interaction of the hands, the arms and the hemispheres will be trained. By closing the eyes while playing the interaction of the hearing and the equilibrium sense will be trained additionally.

Playing *Lying Eight* means a lot of fun and increases the ambition to keep the balls rolling as long as possible. You will notice that after having played for several times, most of the users will show the ability of increased concentration on one action.

Balancing Rod



The *Balancing Rod* is used to test and improve abilities of eye-hand coordination.

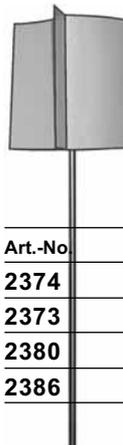
Many children suffering from dyslexia face serious problems balancing a rod on the back of their hand. This is caused by weak coordination of the brain-hemispheres which often makes it impossible to start and control the number of action that would be necessary. Balancing an object on your hand demands a great number of motor patterns which must be activated and controlled. Initiated by the visual perception the hand, the forearm and even the

whole body must be involved to keep an object in balance. Moreover the speed of the hand movement has to be adjusted properly to the movement of the rod. Therefore balancing with the rod teaches the child sensor and motor abilities that are essential for its whole development.

The *Balancing Rod* set consists of two high quality coated aluminium parts (50 cm each), which can be put together. The delivery includes some coloured sticking stripes which may improve (especially little) childrens' orientation.



Wing for Balancing Rod



As there are a number of children who will not succeed in keeping the rod in balance during the first attempts a help is sometimes necessary. This help consists of three A-4 cardboard pages which form a kind of wing. This wing is fastened to the top of the rod and will prevent the rod from falling too

fast. Thus beginners have a good chance to keep the rod in balance after a short time.

The kit consists of four pages (one spare page) with a printed manual on them. All you need to assemble the wing is a ruler, a knife and a bit of glue.

Art.-No	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2374	Catch the Ball (2 baskets and 2 balls)	9,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2373	Lying Eight	39,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2380	Balancing Rod	28,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2386	Do-it-yourself kit: Wing for Balancing Rod	5,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Literature Overview

On the following pages we present you a wide range of literature dealing with the Warnke-Method as well as directly or indirectly related topics. For your orientation we divided the books into different categories listed on the right.

Price Fixing: Please note that books are subjected to price fixing. Therefore we are obliged to charge the prices fixed by the publishers, which can lead to a deviation from the prices printed in the catalogue.

Availability: It may occur that books get out of print and are not reprinted immediately. In this case we will not be able to accomplish your order. We ask for your understanding.

# Topic	to be found on page
1. Warnke Procedure	38
2. "Development of Hearing"	39
3. Writing / Dyslexia	40
4. Calculating / Mathematics / Numbers	41
5. Hearing / Seeing / Motor Skills	42
6. Development / Hyperactivity	43
7. Development / Orientation	44
8. Neurophysiology	45

What little Jacky doesn't hear. . . by Fred Warnke



Important and useful information about dyslexia especially for parents.

What little Jacky doesn't hear later can't be spelled by Jacky either. This idea made the author compile a wide range of information that shows new ways of recognizing and overcoming dyslexia in early stages. He describes in detail the child-orientated methods of testing and training which he created on the basis of several self invented



Currently available in German only!

German Patents. For example: The Perception Discrimination Test, a training-method for the coordination of the brain-hemispheres and many other aids for children suffering from weaknesses in perception. The author succeeds in presenting even scientific facts understandable for everybody which makes this book a useful help to see how central functions of perception really work and what can be done in case of problems herein.

Der Takt des Gehirns . . . by Fred Warnke (The Clock Speed of your Brain...)



In this book Fred Warnke explains – detailed, but easily understandable – the current standard of knowledge concerning the „clock-speed of the human brain“. He compares this with a kind of inner clock which dissects perception into short single steps being processed one after the other. He draws the conclusion that this phenomenon of the „order threshold“ and further central basic functions of the brain have been rather underestimated concerning their importance for the human potential during the last years.

Currently available in German only!

The 2nd edition of this book offers the opportunity of measuring and training the seven low-level functions which form the basis of any language learning abilities. Many new scientific findings have been included in this 2nd edition and the enclosed CD contains a number of low-level exercises to be carried out on your computer.

New edition publisher V&R available in fall 2005

Das Praxis-Handbuch zum Warnke-Verfahren by Fred Warnke (The Warnke-Method Practice Manual)



The Warnke-Method for automation problems

Even the best method for training can only be successful as long as it takes the latest findings into consideration. This is what the Warnke-Method keeps doing. Thus the handbook for therapists - formerly titled "*It is not only the ears we hear with...*" - has been completely revised.

In the new edition called "*The Warnke-Method Practise Handbook*" Fred Warnke presents his latest

Currently available in German only!

results from recent studies as well as experiences from numerous therapists who pass their experience to the interested reader; for example: child-orientated and valid testing of functions of central perception, low-level-training, Lateral-Training for different ages and much more.

2005 – 3rd completely revised edition

Art.-No.	Name and Description	Price incl. VAT		Meant for:	
		EURO		Private	Pro
2235	What litte Jacky doesn't hear...	20,80		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2260C	Der Takt des Gehirns	19,90		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2270	Das Praxis-Handbuch zum Warnke-Verfahren	19,90		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Gut Hören - Heute und Morgen by Gerald Fleischer
(*Good Hearing - Today and Tomorrow*)

Currently available in German only!

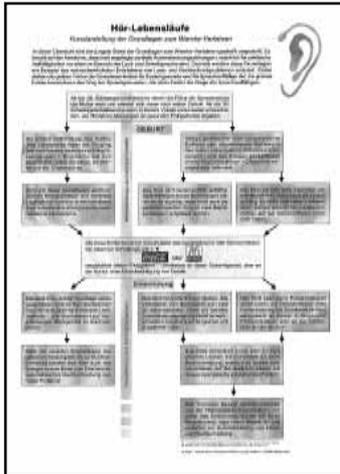


Nobody will neglect or even destroy what he needs or admires. This book shows you the fascinating importance of our sense of hearing. You will learn what kind of intricate technology is needed just to receive what is spoken or to enjoy music. The way the chapters are presented is to attract the

reader's interest in information concerning human hearing, possible dangers and how to avoid any kind of damage – not only in children but in adults, too. The ability of hearing should be cared for at any time but we are all asked to care for the hearing of our children.

Courses of Hearing Development – DIN A 2 Information poster for your practice

Currently available in German only!



“After the 28th week of pregnancy the fetus becomes aware of his mother's voice and can still remember its melody after he is born.

From the 30th week on he already can distinguish vowels – this was found in early-born babies by EEG.“

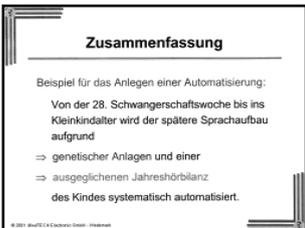
This information poster shows you how the development of central hearing functions proceeds during the child's first years. It represents the current basics of the Warnke-Method.

It bases on the model that inherited automation deficits are the main cause for numerous difficulties especially in the field of learning a language. Therefore these basics are explained through the example of the most likely development of difficulties in reading and spelling.

The poster (DINA 2) will be delivered in a cardboard-roll. It is particularly suitable to be shown in your waiting-room or as an informative poster in kindergartens or schools.

Presentation Set (Material for a one hour lecture - “Central automation deficits are the reason for problems in reading and writing“)

Currently available in German only!



Information-evenings are quite important for therapists and independently working teachers to inform parents or colleagues about their work. But the problem is that it needs time to work out materials to show or give-away.

This ready-to-use presentation will relieve you of this. It is designed for a lecture of about 1 hour. You can choose between two sets for different media. Each set includes patterns to be copied as handouts as well as a detailed script for the speaker and useful hints how to prepare and realize a successful information event.

Working with these presentations requires practical experience with the Warnke-Method

Transparency set for overhead presentation with audio CD or self-moderation (Art.-No.: 2071)

- 82 colored transparencies in economy pockets
- CD with a pre-designed reading (to be played or for private practice)
- Audio samples (as additional material)



PowerPoint presentation with audio CD or self-moderation (Art.-No.: 2072)

- Powerpoint presentation Pack&Go-Version (can be shown without PowerPoint software)
- Presentation consists of animated screens

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2049	Gut Hören - Heute und Morgen	17,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2070	Courses of Hearing Development poster	9,20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2071	Presentation set – transparency set	200,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2072	Presentation set – PowerPoint-Presentation	100,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Writing / Dyslexia

“What can we do to help dyslexic children in school?” Teachers often find themselves faced with the problem to help insecure children who doubt their own capabilities. Taking into account the number and variety of jobs our society has already burdened upon

teachers this is another problem which is by no means easy to solve. But we mustn't forget that all children need strong foundations for the elementary fields of learning.

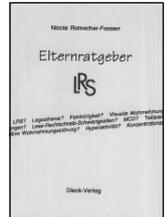
Currently available in German only!

Lese-Rechtschreib-Schwierigkeiten und Elternratgeber LRS by Nicole Ramacher-Faasen
(Problems in Reading and Writing and Advice for Parents in Case of Dyslexia)



“Lese-Rechtschreib-Schwierigkeiten” explains the phenomenon “Dyslexia” and gives a clear idea of diagnosis and possible ways of support. It describes the difficult situation of dyslexic children in school and offers assistance. The author knows from experience that even dyslexic children can be motivated to start reading and writing when they are shown how to overcome their problems.

In “Elternratgeber LRS” Mrs. Ramacher-Faasen describes the situation of dyslexic children. She illustrates probable causes and shows parents what to do about it.



Kognitive Strategien und Leseleistung by Daniel W. Zahnd
(Cognitive Strategies and Reading Skills)

Currently available in German only!



There are standardized methods to test reading-skills which can contribute to evaluate problems in reading. Following the attentiveness and strategy related research this book discusses the necessity of using meaningless texts to practise reading.

Training material for meaningless reading: “Jabberwocky“-Software

Hören, lauschen, lernen by Küspert und Schneider
(Hearing, Listening, Learning)

Currently available in German only!



Many children have difficulties in separating things they have said into words, syllables and phonemes. The trainings programme described in this book offers a great variety of exercises to learn how to distinguish the parts of spoken words and to recognize the phonematic structure. It is specially designed for pre-school children and begins with *listening-games* then proceeds to *rhyming* and finally introduces *syllable*, *word* and *sentence*.

The programme will take about 20 weeks and should be divided into daily sessions of ten minutes.



It consists of a set: A textbook of 57 pages and teaching material (illustrations for visualization)

We recommend combining this programme with the Lateral-Training.

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2291	Lese-Rechtschreib-Schwierigkeiten	22,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2271	Elternratgeber LRS	7,60	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2047	Kognitive Strategien und Leseleistung	25,50	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2048	Kognitive Strategien und Leseleistung – Kombipaket mit TextAPP 1.0	49,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2261	Hören, lauschen, lernen	29,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Rechenschwierigkeiten – und nun? by Nicole Ramacher-Faasen
(Problems in Arithmetic - What to do about them?)

Currently available in German only!



Mastering the fundamentals of arithmetic is besides being able to read and write essential for each child in our society. But there are more and more children who are noticed to have serious problems in this field. This can probably influence the child's psychic health or even its personality. The first part of this practice-oriented book explains the basics of arithmetic whereas the

second deals with the child's development of mathematical abilities. The last part introduces the "Informal Mathematical Screening" (IMS) which has been improved by the author during her practical work. With the help of this diagnosis-tool it is possible to plan and check respective training units.

Currently available in German only!

Rechenschwächen erkennen und behandeln by Ingeborg Milz
(How to recognize and treat problems in Arithmetic)

Reprint - available again



It is obvious that the number of children who have serious difficulties in arithmetic has risen in the previous years. At the same time the helplessness of therapists and teachers has also increased. This book tries to explain these particular problems from the neuro-pedagogical point of view and to give a definition of terms used in this

context. It shows that in most cases the common ways of treatment in this field lack methodical planning and understanding what "mathematical thinking" really is. Many training programmes only treat the visible symptoms without fighting the real causes. This book is highly recommended to teachers.

Wo Kinder rechnen lernen by Gabriele Wunderlich and Hannelore Bares
(Where children learn to calculate)

Currently available in German only!



Children do not start learning how to calculate in school – they start doing it much earlier. Sensual experience is the basis for successful learning. Each room in your home is a rich source for such experiences.....

This book is a rich source, too. The authors take the readers on an exciting voyage of discovery – from morning to night. Practical examples show that mathematics are everything else but a boring science.

Currently available in German only!

Zeit erfahren, strukturieren und messen by Gabriele Wunderlich and Hannelore Bares
(How to feel, structure and measure time)



Many children have difficulties in comprehending periods of time or simply reading the clock. In later years this weakness can lead to serious consequences. A good time-management is not only important for daily life, it is also the basis of the highest possible efficiency in learning. Therefore it is a good investment to give children enough time to learn and experience what time really is. As you cannot see or feel time it is sometimes difficult to understand it and only if children have the opportunity to get enough experience they can develop a feeling for it. It does not make much sense just to practise

reading the clock when there is no basic imagination of what the clock "is talking about". This book shows the reader what he can do to find out if a child has got problems in reading the clock or imagining time in general. It offers a lot of examples to help these children:

- Orientation throughout the day
- Planning activities for certain amounts of time
- Using the clock as a time-measuring instrument
- Learning how to calculate with periods of time

Unusual records concerning time will amaze and encourage further researching at the same time. Managing time and reading the clock can be practised successfully.

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2263	Rechenschwierigkeiten - und nun?	22,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2295	Rechenschwächen erkennen und behandeln	21,50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2046	Wo Kinder rechnen lernen	14,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2308	Zeit erfahren, strukturieren und messen	14,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Die orthoptische Behandlung von Leseschwäche by Dr. Doris Safra
(*Orthoptic Treatment of Weaknesses in Reading*)

Currently available in German only!



From the point of view of many ophtalmic surgeons and opticians this book is a remarkable piece of work concerning testing and treatment of dyslexic children. Although the book is written clearly it requires some knowledge about dyslexia. It is a useful help for interested therapists to learn some more about methods of training of visual perception

and respective problems in dyslexic children. It also enables therapists to see when ophtalmic treatment is needed urgently. In this particular field there are still many things to be considered or even to be learnt anew. In this book Dr. Safra has succeeded in showing a practical way.

Winkelfehlsichtigkeit by Uwe Wulff (Publisher)
(*Angular Ametropia (Binocular Fusion)*)

Currently available in German only!



During the child's development of motor skills Angular Ametropia can slow down or even stop important stages of development. This is the reason why teachers and therapists have great interest in getting more information about effects, influence and possible ways of treating Angular Ametropia. This

book consists of a number of well-understandable essays dealing with this problem. It particularly aims at parents whose children suffer from this deficit in seeing. It shows examples of correction treatment which has already turned out to be a successful way to help.

Buchstabensuppe und Zahlensalat by Ursula Hohl-Brunner
(*Alphabet-Soup and Number-Salad*)

New

Currently available in German only!



...How the eye-dominance influences our life. When a child tries to read and notices that top and bottom go topsy-turvy, when "behind" and "in front" are constantly mixed up, parents, teachers and therapists are likely to be at a great loss what to do. It is almost unknown that the probable reason for this is a phenomenon scientists call "left or alternating eye-dominance".

will find many instructions tested in practise which you will appreciate as a useful help.

- description of various cases
- vivid illustrations
- tests to check eye-dominance
- pedagogical advice
- possible ways of treatment
- glossary and check-lists

This book is addressed to those who want to get to the bottom of these problems. In the book you

A practical and enlightening advisor that deals with all issues concerning "eye-dominance"

Flügel und Wurzeln by Dorothea Beigel
(*Wings and Roots*)

Currently available in German only!



This book was created not only to raise attention and understanding for children with partial deficits or peculiarities in behaviour but also to get to know the causes and how to compensate them. It starts with an overview of the human perception system passing to persisting maturational reflexes.

The book also deals with chances and experiences with training-methods to integrate these reflexes. A lot of advice is given to parents, teachers and educators how to deal with these problems and how to treat them.

Spuren auf der Haut by Oliver Künzel
(*Tracks on the Skin*)

Currently available in German only!



This interesting and successful programme was designed for children with weaknesses in spatial orientation or children suffering from Attention-Deficit-Syndrome (ADS). The idea of this special programme is that tactile perceptions can be recognized earlier than others, for example visual ones. Working

with the programme is remarkably easy: It consists of different settings. Most important parts are drawings done on the child's back. These drawings must be recognized and reproduced.

The author has not only presented a useful instruction but has also offered a good number of worksheets for practise.

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2267	Die orthoptische Behandlung von Leseschwäche	16,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2304	Winkelfehlsichtigkeit	13,50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
L1126	Buchstabensuppe und Zahlensalat	16,80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
L1108	Flügel und Wurzeln	20,40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
L1016	Spuren auf der Haut	20,40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Reflexes, Learning and Behaviour by Sally Goddard



This unique and brilliant book explores the physical basis of learning difficulties, Dyslexia, Dyspraxia, Attention Deficit disorder (ADD) and Attention Deficit Hyperactive Disorder (ADHD) with particular focus on the role of abnormal reflexes and the effect upon subsequent development. Sally explains how the reflexes of infancy (primitive and postural) can effect the learning ability of the child if they are not inhibited and integrated by the developing brain in the first three years of life. Each reflex is described together with its function in normal development, and its impact upon learning and behaviour if it remains active beyond the normal period.

Simple tests for the reflexes that are crucial to education are described together with suggestions for suitable remedial intervention. The effect of abnormal reflexes on balance and sensory processing is also described. A brief history of how current methods of intervention designed to correct abnormal reflexes have evolved and a summary of some of the relevant research in the field are included. This book is essential reading for anyone involved in the assessment, education and management of children and their problems. It explains why certain children are unable to benefit from the same teaching methods as their peers and why they remain immature in other aspects of their lives.

Sensory Integration and the Child by A. Jean Ayres



This book gives a thorough understanding of sensory integration. Its author was the occupational therapist who developed the theory of sensory integration dysfunction. Her book is a basic source of information for parents and professionals. Because

of her techniques, SID children have developed meaningful responses to sensory information which are crucial to human development and to further learning.

Biofeedback by W. Rief / N. Birbaumer

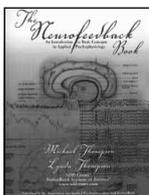


Methods of Biofeedback have proved successful in many therapies leading to an increasing acceptance among patients. However only few practitioners that use this method systematically can be found in the German-speaking countries. This book is designed to arouse doctors' and psychologists' attention towards applying psycho-

physiological methods in their daily practise. This is what the book presents in the first place. There are many suggestions for therapy shown in great detail which are taken from the fields: Stress-Diagnosis, Relaxation-Training, tension- and cluster-headache and the Attention-Deficit Syndrome (ADS).

Currently available in German only!

The Neurofeedback Book by Michael und Lynda Thompson



An introduction to basic concepts in applied psychophysiology. This book is written to assist in understanding the basis of neurofeedback and the fundamentals of how to do EEG biofeedback. An easily understandable explanation of the science behind biofeedback and neurofeedback. Clear, easy-to-understand with specifically helpful illustrations. In-depth information about procedures and cutting-

edge methodologies. Insightful research and statistics to help you better evaluate results. Basic and detailed terminology germane to all EEG literature. Material specifically written to prepare you for certification, including a special section corresponding to the BCIA blueprint areas for EEG biofeedback.

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
	Reflexes, Learning and Behaviour		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Sensory Integration and the Child		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2300	Das ADS-Schnellprogramm	12,90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
L1043	Biofeedback	49,95	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2307	The Neurofeedback Book	79.00 (bio-medical.com)109,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ihr könnt mir wirklich helfen by Christel Kannegießer-Leitner
(*You can really help me*)

Currently available in German only!

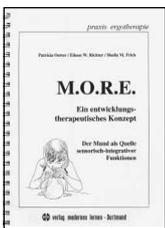


This book deals with the holistic psychomotor therapy. It differs from other therapies through the special procedure: First the therapist will use some sessions to estimate his patient's stage of development taking particularly into account his strengths and weaknesses. From the result he will work out an individual training-programme to be carried out at home. Thus the therapy does not consist of single

units (occupational therapy, speech therapy, physiotherapy) but is interdisciplinary. Overlapping can be avoided and findings in other fields can usefully be employed. The author, who is a medical practitioner and has got a disabled child herself created this holistic therapy with the experience how time-consuming it is to go and see different therapists and how important it is to gain time for the daily exercises with the child.

M.O.R.E. by P. Oetter, E. Richter, S. Frick
(*M.O.R.E. - A concept for a therapy of development*)

Currently available in German only!



This book introduces a model which was created to help therapists estimating the treatment of the functions of mouth and breathing. The authors examine the apparently independent systems of motor skills, mouth, breathing and eyes and show that there is interdependence and exchange of

information between them. The book enables the reader to look at sensory and motor systems of the human body from a different point of view which helps to understand strange ways of behaviour.

Ort und Richtung by Gisela Röttgen und Margit Müllenbruch
(*Place and Direction*)

Currently available in German only!



The programme introduced in this book consists of a long-term perception training to improve orientation on a plane and in space. It is a preventive against problems in reading and writing which have their cause in weaknesses of orientation. During a number of different situations children can experience orientation in space and the transfer to

a plane. This will enhance sensual perception and memorization of complex relations. After this when the children can put their experience into practise they improve their coordination abilities as well as their language competence. During the programme the difficulty of the various steps will slightly increase.

Sensorische Integration und Lernen by Gudrun Kesper
(*Sensory Integration and Learning*)

Currently available in German only!

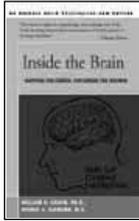


The number of children who are noticed to have problems in learning and behaviour as well as in development of the basic functions such as "Coordination" and "Perception" has been rising during the last years. Perception and motor skills are the fundamentals of learning. With the help of sensorial integration it

is possible to improve children's motor skills which again have a positive effect on perception and learning abilities at school. The authors describe what they experienced during their work with children and parents in a multi-professional team.

Art.-No.	Name and Description	Price incl. VAT		Meant for:	
		EURO (D)		Private	Pro
2242	Ihr könnt mir wirklich helfen	23,50		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2294	M.O.R.E.	22,50		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2287	Ort und Richtung	25,50		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2306	Sensorische Integration und Lernen	24,90		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Inside the Brain by William H. Calvin und George A. Ojemann



The investigation of the human brain especially the neuronal elements of visual perception, memory and language has become one of the most fascinating fields in present science. William Calvin and George Ojemann take the description of a brain surgery as a guide to introduce

their latest results of study. The reader is taken on a journey through the human brain, a world that is still full of mysteries although man tries to explore this world more and more accurately. This book gives impressive insights...

NLP und Rechtschreibtherapie Publisher: Klaus Schick
(*NLP and Spelling Therapy*)



“Gould buy – spelink and reedink propplems...” this is the aim of this book - thoroughly. It is suitable for therapists as well as for teachers. Original essays from American authors deal with the following subjects:

- The Development of the NLP-Spelling Training by Robert Dilts

- Empirical investigation of the efficiency of NLP Spelling Training by a scientific study of the University of Utah
- Practical therapeutic work with this training done by two Californian therapists.

The chapter “Visual Spelling” is completed by contributions of the author.

Currently available in German only!

New Edition - available again

Hirntraining mit ganzheitlichem Ansatz by Ursula Oppolzer
(*Holistic Training of the Brain*)



This book is particularly designed for those who are interested in memory-training or looking for new ways of training and practise. Special focus is set on substances and effects of this holistic method as well as on theoretical backgrounds of brain functions, different areas of memory, techniques to memorize, causes of forgetfulness and connections between brain power, relaxation,

motor skills and nourishment. Beside this the author presents a lot of practical hints and suggestions for the beginning and for following group-sessions. The book's annex consists of detailed instructions for practical work, memory-cards, hints to improve your memory and other strategies against forgetfulness in everyday life. A list of recommended literature and music closes the book.

Currently available in German only!

The Mind Within the Net: Models of Learning, Thinking and Acting by Prof. Manfred Spitzer

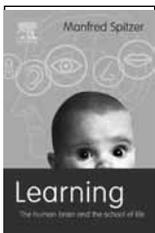


How does the brain work? How do billions of neurons bring about ideas, sensations, emotions and actions? Why do children play and why do they learn faster than elder people? What are the best conditions for learning? What can go wrong in the brain and how could this lead to weaknesses in concentration and memory, autism, schizophrenic disorder and delusion?

This book gives an understandable introduction into basics, functions and applications of neuronal

networks. The explanations are more intuitive and without mathematics. The given insights into our brain are practical and controversial at the same time. They make us think different about learning, thinking and acting, about nursery rhymes and – schools, education and homes for elderly people, about TV-programmes, computer-games, preachers and politicians and last but not least about mental disturbances and spiritual health.

Learning - The Human Brain and the School for Life by Prof. Manfred Spitzer

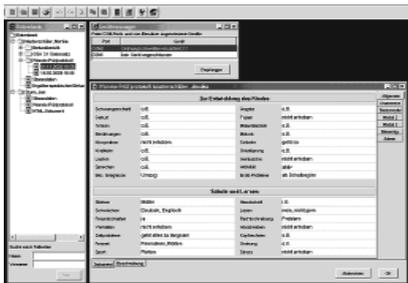


We often dream of a way that can pound facts into our head releasing us from all efforts of learning but - we all know that this ways does not exist. This is no losing business because we actually do not need such a way. Our brain always learns no matters if we like it or not. It can not stop doing it as it was created to do so. The interesting question that arises is: “Why do we have difficulties in learning from time to time?” Children are able to learn a word every ninety minutes and we know perfectly well what it was about when we hear the words

“11th September“. On the other hand learning vocabulary or practising the piano can be quite boring and tiring. But what is the reason for the varying amounts of time we sometimes need for learning? It is not a matter of cramming and testing but of capabilities we need for daily life. Learning is a natural and never-ending occupation of our brain. The author shows us how this gigantic “machine in our head“ really works and how we can make it work for us pleasantly and successfully.

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
2288	Inside the Brain		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2289	NLP und Rechtschreibtherapie	15,90	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2297	Hirntraining mit ganzheitlichem Ansatz	20,40	<input type="checkbox"/>	<input checked="" type="checkbox"/>
L1102	The Mind Within the Net: Models of Learning, Thinking and Acting	15,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
L1103	Learning - The Human Brain and the School for Life	31,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MediTOOLS 3.X – A Program for Patient Management and Documentation



This innovative and data based software produced by MediTECH® forms the beginning of a new generation of patient management and related tasks. The software will be appreciated by medical practitioners, therapists or teachers who up to now spent a lot of time writing their reports.

A number of powerful tools in MediTOOLS offer the chance to do this much faster and even more precise than before.

Patient Management

Using the well known tree structure from Windows® MediTOOLS is able to administrate an almost unlimited number of patients. All test logs, reports and other data are stored in chronological order and can easily be recalled and/or handled at any time.

Device Manager

All MediTECH® professional test devices for the Warnke-Method are able to transfer data to MediTOOLS in order store them on the PC. MediTOOLS will automatically find the patient the data belongs to. Using meaningful graphics it is possible to show the test results and the therapy progress between several sessions – understandable both for therapists and for clients.

The integrated device manager provides assistance to transfer the collected test and training results of the Brain-Boy® Universal Professional (BUP), to save and to evaluate them. Simply connect the computer to a CF-card reader or insert the CF-card into a slot already provided and start the transfer routine.

Test Procedure

Each step of the basic module as well as the steps of the “Extended Testing Procedure“ (including the parts HEARING, SEEING and MOTOR SKILLS) can be checked and documented systematically - no matter if they are needed as single examples or in context to other documents. Each step is basically explained and additional help is provided in the “Ex-

tended Testing Procedure“ (to be purchased separately).

The main parts of the test method are:

- **General Information**
Development of the child during the first years, problems in school and learning
- **Anamnesis**
- **Module 1 (Basic Module)**
Basic test items of the Warnke-Method
Main focus on HEARING
- **Module 2**
Extension of the basic test method
Main focus on SEEING
- **Module 3**
Extension of the basic test method
Main focus on MOTOR SKILLS
- **Comments and Recommendations**
- **Administrative Tasks**

Report Templates

Normally the writing of medical reports is a bit of an inconvenience – it takes hours. MediTOOLS can reduce this amount of time to a few minutes. Its reporting tool enables users to create individual reports based on the selection of different text alternatives using the collected test results of the corresponding patient. The texts of the reports can be extended or edited – just as necessary.

Due to quality standards some parts of the software are only accessible to those who successfully passed the corresponding Warnke-Method training units.

Purchasers of the new BUP (Brain-Boy® Universal Professional) will find a free basic module of MediTOOLS in the shipping of the BUP.

We recommend a service contract especially for the new version 3.X. This agreement includes a free hotline service to solve problems almost immediately as well as free updates and information about further development of the software. Contact MediTECH® Electronic for an agreement form or download it from www.download.meditech.de

System Requirements:

- CPU:** Pentium II / 233 MHz or faster
- RAM:** 64 MB or higher
- Harddisk:** min. 100 MB of free space / 200MB
- System:** Windows 95/98/ME/NT/2000/XP
- Resolution:** 1024 x 768 pixels

For the creating and printing of reports you need a text processing system that is able to work with .RTF-files. We recommend MS-Word (min. Word 97).

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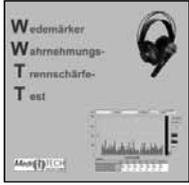
MediTOOLS Technology Platform

You have probably already noticed this logo in the catalogue. For all products that show it, the MediTOOLS software can be used for documentation, evaluation or as a data source.

Technologie-Plattform

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
6105	MediTOOLS - Basic Module	149,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6106	Service Contract (annual fee) incl. all updates and hotline service	160,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6107	MediTOOLS - Modules 2, 3 / Extended Testing Procedure	149,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Wedemark Perception Selectivity Test (WPST)



The WPST was developed to allow carrying out a quick but still meaningful examination of the perception selectivity between the six plosives in combination with a choice-reaction test – even for children in pre-school age.

Both deficits that occur in a slow classification of stimuli and the linguistic deficit that comes out in a slow lexical access speed will be detected and quantified. This works in the following way:

The tested child has to repeat the 60 single syllables that it hears through headphones as fast as possible into a microphone. The test syllables consist of a random array of *ba-da-ga-ka-pa-ta*. Both the correct repetition and the reaction time passing between the model word and the repeated word will be measured and evaluated. Thus the child will be exposed to a classroom-like stress atmosphere.

During the main test the testing person checks whether the repeated syllables are correct or wrong and indicates the program – unnoticed of the child – that a mistake occurred without influencing the time or the run of the test.

The program measures for each single syllable and for each kind of syllable the time in milliseconds that passed between the beginning of the plosive of the model word and the repeated word. Moreover it calculates for each kind of syllable as well as for all kinds of syllables

together the average values of the reaction time – altogether seven values. These values as well as the percentage of correct answers per kind of syllable and the ones of all syllables will be displayed at the end of the test. You also have the opportunity to save the data using the name of the child and print out the results. Comparative data is already integrated into the program help.

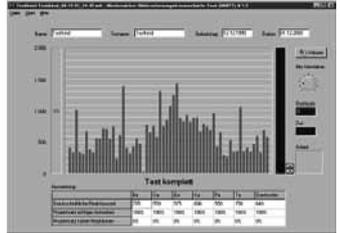
TIP: The program is also appropriate for the training of the perception selectivity!

System Requirements:

- Pentium Processor with Windows 95/98/XP
- Duplex compatible Soundcard, CD-Rom
- Additionally: high quality headphones (see p. 27), high quality microphone (see p. 27)

Demo Version

A demo version is available for this program. The pre-test that should be carried out before a test cycle is accessible without restriction - allowing you to get to know and test the program.



Test-step
11-2

TextAPP 1.0 “Indian Stories”: Promoting the phonematic reading

TextAPP 1.0 is a software that can produce texts consisting of words from an “artificial” language (language approximation). These pseudo-texts can be printed and used as teaching material for children with deficits in reading and writing. The texts produced by this software



are a good exercise for children who read logographically – orientating themselves at the picture of a printed word, not at the actual structure. With the help of these texts the children get increasing practise in reading “what is really there”; (that is to say: on the level of graphemes and

phonemes) and not “what might be there” (that is what the child associates with the pictures).

The *TextAPP 1.0* program offers different levels of difficulties so it is easy to produce suitable texts for each individual case.

Before generating a new text the level of approximation (the actual difference to normal language) must be set. A low approximation will produce a very strange and almost non-existing language whereas a high approximation will cause a text quite close to the original text. The bases of

the texts are a number of fairy-tales processed by the software.

To adjust the settings you will find a dialogue where you can enter the desired length of the text (9,999 characters max) as well as some options such as *Capital letters yes/no* or *Finish sentences with a full stop yes/no*. Moreover you can enter a print title that facilitates allocating the text to a certain child. Of course you are able to format the text.

The software can be run with all available versions of MS-Windows. It needs only little space but a fast processor and sufficient RAM will make the software generate the texts faster.

This software is based on the findings of Dr. Daniel Zahnd to be found in the book: „Kognitive Strategien und Leseleistung“ (*Cognitive Strategies and Reading Skills*)

Special Offer: You can purchase a bundle containing the book and the software (see below)



Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
6825	WPST - Diagnostic Program	98,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6103	WPST - DEMO-CD-ROM	5,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6820	<i>TextAPP 1.0</i>	29,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2048	Bundle “Kognitive Strategien und Leseleistung” and <i>TextAPP 1.0</i>	49,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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AUTRIS-2 – Playfully getting language competence

With more than a hundred million copies sold *TETRIS* is one of the most common computer games in the world. The users are not only children – also adults enjoy playing this game. Without being aware of it they practise quite a number of visual and motor skills when they play this game.



AUTRIS-2 is now available for about a year offering a new design and additional exercises compared to the first version. It is a completely new type of demanding computer game that enhances language skills. It is based on a psycho-acoustic concept

similar to the one of *TETRIS* but is specially designed to improve hearing abilities as well as language competence.

Playing AUTRIS-2

The player of *AUTRIS-2* has the task to put four auditory stimuli into a given spatial and chronological order. Using headphones the player hears four acoustic signals like e.g. „EINS - ZWEI - VIER - DREI (one - two - four - three)“ which he has to arrange in the correct order on his monitor using the mouse.

Dependent on age and capability there are 50 different levels to start from. Practising *AUTRIS-2* will improve important automatic functions of visual and acoustic perception.

Improvement of:

- Attentiveness
- Differentiation
- Spatial Hearing
- Pitch Discrimination
- Pattern Discrimination

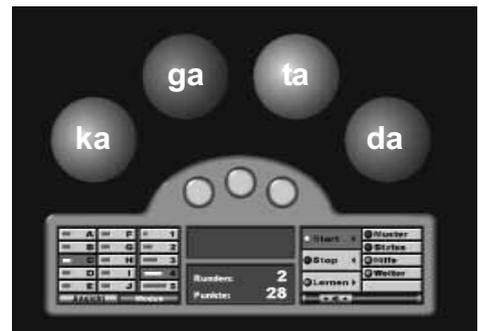
High quality stereo headphones are necessary to hear the acoustic signals in optimum quality. Moreover the person training perceives the signals (vowels, syllables, sounds and spoken numbers) as if a person walks around his/her head. Thus the brain has to identify and evaluate sounds coming from constantly changing directions, which is a good training for the coordination of the hemispheres.



The numbers (and other signals) have to be changed with the help of the keys and be put into correct order.

Further abilities that will be trained “by the way“:

- Retentiveness
- Fine motor skills by specifically pressing the mouse buttons
- Handling of a computer



System Requirements:

- Pentium-CPU (133 MHz or faster)
- Windows 9.x/NT/ME/2000/XP
- Soundblaster compatible soundcard
- CD-ROM drive
- Additionally: high quality stereo headphones with 3.5 mm phone jack

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
6801	AUTRIS-2	49,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6104	AUTRIS-2 - DEMO-CD-ROM	5,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Practising Dictations – take the classroom home

Currently available in German only!

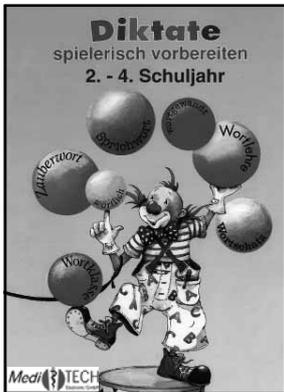
Dyslexic children suffer from a big problem when writing dictations at school: They hardly ever reach a good mark. But what is the reason? In most cases dyslexics are better prepared for dictations than their schoolfellows are due to intense training at home. So why do most of them still fail their writing tests making a lot of mistakes they did not make at home? The reason for the difference in the number of mistakes made in a dictation at home and at school is the entirely different situation in which it is written. At home the room is quiet and the person dictating normally sits next to the child and adapts his/her

speed of speaking and the repetition of the sentences to the child's speed of writing. Moreover the voice of the dictating person does not change its direction or distance. At school the teacher walks around in the classroom and therefore changes the direction of speaking very often and will not wait until everybody has finished writing the sentence but continues with the dictation.

Thus particularly for dyslexic children it is important to practise the dictation in an environment that is similar to the one in the classroom. So take the classroom home:

Playfully Preparing Dictations

To get a good preparation for dictations at school the CD-ROM "*Playfully Preparing Dictations*" was developed. It contains 57 dictations for the second, third and fourth school year.



Before you start a dictation you can set special "classroom situations" within the user dialog: several options enable you to set the volume of the typical background noise, the volume of the dictating voice as well as the number of repetitions and the length of pauses between spoken phrases or sentences. The practising child puts on headphones and as soon as the dictation starts it will be transferred into the acoustic situation of a real classroom. The

teacher reads out the complete dictation first and continues with the dictation of the single parts, one after another. The child listens and writes down what it hears. Throughout the whole exercise there will be

the typical sort of background noise you can constantly hear in a classroom. After finishing the dictation the whole text will be read again giving the child the opportunity to revise his work and/or to fill in blanks.

The teacher's voice as well as the background noises were recorded with a special technology producing an almost real impression of a classroom. It is clearly perceptible that the teacher is walking around in the classroom during the dictation since her voice will be heard from different directions and distances.

System Requirements:

- Pentium-CPU 133 MHz or faster
- CD-ROM Drive
- Windows 9.X/NT/ME/2000/XP
- Min. 30 MB of hard disk space
- 16 MB RAM
- SoundBlaster 16bit compatible soundcard
- S-VGA compatible VGA graphics card

Art.-No.	Name and Description	Price incl. VAT		Meant for:	
		EURO (D)		Private	Pro
6806	Playfully Preparing Dictations CD-ROM	58,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Orthofix – A new software for practising visual spelling



Prüfschritt
14-1

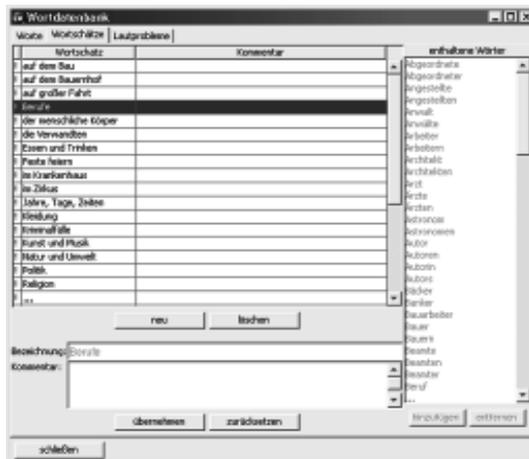
Visual spelling is a good exercise in case children are not sure of how to spell certain words. But in practise it can become difficult as there is no help – the only thing you could do is to write words right “into the air” in front of you. To make this exercise more effective we developed a new program, called *ORTHOFIX*. It is a professional program with

the help of which you systematically learn the exact visual picture of words formed by letters. Only if you are able to “see” the words in front of you as if they were pictures you are able to spell correctly. The more pictures of words a child has in mind the better his/her spelling will be.

What are the features of *ORTHOFIX*?

Word database

- Contains 10,000 of the most commonly used words of *German/ENGLISH*
- Words can be classified by various criteria
- Syllabication can be made visible / invisible
- Differences between actual and phonetic spelling can be shown



Topics

- 20 standard given topics
- Selectable by initial letter
- Problem-oriented selection of topics possible

Problematic words

- Unlimited number of own new problematic words can be added
- Easy allocation to existing topics and vocabularies
- Easy way of defining the syllabication and the difference concerning the accordance with the sounds

Student administration / Database

- All training cycles will be listed in detail
- All former results will be summarized
- Further training measures will be proposed / recommended



Design

- Freely adjustable background design
- Font and colour of letters can be chosen from various templates
- Colours for possible accentuations can be set
- Accentuation of syllabication can be switched on/off

System Requirements:

- Windows 98/NT/ME/2000/XP
- Pentium processor
- Min. 100 MB of free hard disc space
- Min. 64 MB RAM
- SoundBlaster compatible soundcard 16 bit
- S-VGA compatible graphics card



Orthofix and MediTOOLS 3.X access the same patient database. Therefore patient data that is already entered in MediTOOLS can be used with Orthofix!

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Art.-No.	Name and Description	Price incl. VAT	Meant for:
		EURO (D)	Private Pro
6827	Orthofix - Software for training visual spelling	65,00	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

CESAR Learning Games - Reading and Writing

Currently available in German only!

More and more children are facing problems that impair and delay the process of learning to read and to write.

This series of learning games offers a playfully approach to support specific capabilities as well as strategies to improve the auditory and visual perception, which is necessary for successful reading and writing. The learning games are not similar to textbooks but playfully help the child to learn the writing and the meaning of words and texts. CESAR is a kind of kit consisting of independent games which can be employed in single or in combination according to the planned learning

objective. They are specially designed for the training of reading and writing skills and use the multi-media properties of the computer for this particular purpose. Especially during the first years of school the CESAR programs can be a good help in case of dyslexia. So they can be used either in the classroom, as part of a therapy or simply at home.

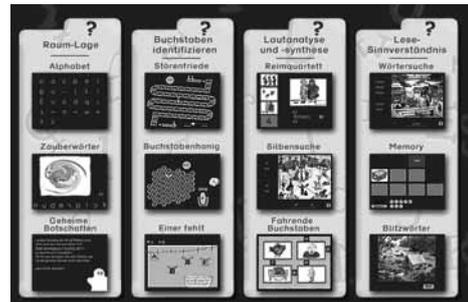
System Requirements:

- Minimum: Windows 95/98/NT
- SoundBlaster compatible soundcard
- High quality headphones or speakers
- Mouse
- CD-ROM Drive

Order sets and save up to 49.50 Euro

The learning games **READING 1.1** are designed to improve particular skills that are necessary for reading successfully. The 12 games are directed to the following objects:

- Analysis and synthesis of sounds
- Comprehension of dimension and position of objects
- Getting the sense from a text
- Recognition of letters
- Phonological processes
- Recognition of word structures



All games provide the stock of words of the first school years which can easily be extended without limitation.

WRITING 1.0 offers another kit of games for the following:

- Holistic reading of words
- Recognition of graphemes
- Analysis and synthesis of sounds
- Use of meta-lingual processes
- Perception of small phonematic differences

WRITING 2.0 is designed for the 4th, 5th and 6th school years and offers pupils the chance to extend and to consolidate their knowledge in writing using analogies. It supplies children with nearly all important orthographic subjects, shows strategies to derivate from morphemes and consolidates acquired knowledge on an integrative level.

It consists of 9 games in three different fields:

Hearing introduces in 10 chapters all sounds that are difficult to hear.



The sounds range from hissing-sounds to difficult combination of consonants.

Building words shows how to build nouns (prefixes, suffixes, etc), verbs (different persons, singular or plural), word order in a sentence, active-/passive-voice.

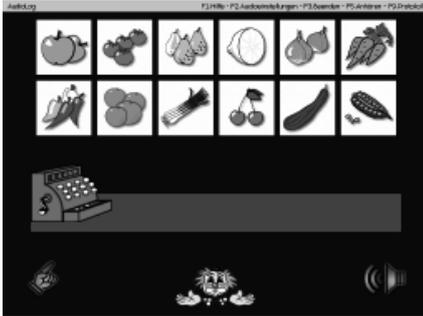


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Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
6834	CESAR "Basis-SET" - Reading 1.1 and Writing 1.0	179,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6843	CESAR "Writing-SET" - Schreiben 1.0 and Writing 2.0	179,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6844	CESAR "Maxi-SET" - Reading 1.1, Writing 1.0 and 2.0	249,00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6835	CESAR Reading 1.1 (2nd - 4th school year)	99,50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6836	CESAR Writing 1.0 (2nd - 4th school year)	99,50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6842	CESAR Writing 2.0 (4th - 6th school year)	99,50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

AudioLog 3.0

This modern multimedia program *AudioLog 3.0* has been designed according to standards *MediTECH* expects from learning software. It is a professionally animated software that was specially designed for the training of particular auditory functions. *AudioLog 3.0* consists of a great number of playful exercises for sensitisation and training of central auditory functions. Besides this the program can also improve



- Perception and coordination
- Short time memory
- Discrimination of wanted and unwanted acoustic perceptions
- Processing of acoustic sequences
- Phonematic discrimination



The almost unlimited number of exercises consists of more than 1,000 sound and speech recordings and pictures, is well-structured and particularly easy to handle. Even those who are not experienced using a computer will be able to work with this software.

1. Sensual perception

You can combine the exercises to prepare individual sound games. Choose any number of pictures and the corresponding sounds to combine an exercise list. This part also contains an exercise with which it is possible to train the figure-basis-perception. Performing this exercise the user hears words with disturbing noises in the background.

2. Auditory memory on the level of words

In this part the user is asked to memorize word arrays. The demanding exercise will be an instructive entertainment since it provides excellent graphic and interesting animations.

3. Processing auditory sequences

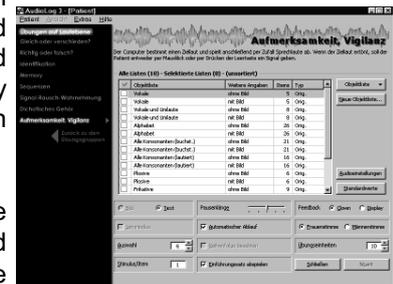
In this exercise the user hears sequences consisting of various sounds combined by a random generator. He/She is asked to identify a particular graphic that represents the sequence just heard.

Another important feature *AudioLog 3.0* offers is its administration function for patients' data: Each session will be recorded in detail. That enables you to create protocols for the complete course of training as well as the single units.

The software requires MS-Windows (ab welcher Variante läuft 3.0 noch??) and offers a great variety of sounds and images which you can expect from high quality multimedia software. The handling is very easy so that even children who are not very experienced using a computer will be able to work on their own after a short briefing.

AudioLog 3.0 is the latest version which has been extended by two completely new parts. The whole program has been thoroughly revised by experienced users so that many items have been added or improved.

In case you have already purchased *AudioLog 2.0* we offer you the chance of a low priced update.



Demo Version

The demo version offers you the opportunity to test *AudioLog 3.0* at home. In this version all functions work but the whole program is restricted to 15 starts.

Home Version ...for training at home

We developed this special version *AudioLog 3.0-HOME* for training at home. All functions are available for five patients and for a period of three months. Special functions like design of own object lists, export, data backup or update are not available in this version.

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Art.-No.	Name and Description		Price incl. VAT		Meant for:	
			EURO (D)		Private	Pro
6880	AudioLog 3.0	Single licence	298,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6883	AudioLog Zusatzlizenzen	Additional licence	148,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6881	Update from 2.0 to 3.0		50,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6882	AudioLog 3.0 Demo Version	(15 test starts)	10,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6884	AudioLog 3.0 Upgrade	(from demo to full version)	289,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6887	AudioLog 3.0 HOME	Use for 3 month	39,00		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The *Med/TECH-Silent-PC* – A computer you can hardly hear...



Are you dreaming of a perfectly silent PC, too? With our help your dream can come true!

The casing of this PC filled with sound absorbing foam and constructed without any screwed connection can reduce the acoustic pressure by 44 % and acoustic power by 70%. You can hardly hear whether your

computer is switched on or not.

So: **Take care of your ears – and your nerves!**

Experienced therapists using the Warnke-Method know that it can be useful to employ noises during **certain** training units, but noises should not be there permanently neither while you are working with the computer nor should there be a noise layer accompanying your training session!

Standard solution (example)

This comfortable silent PC offers the following features:

- special sound absorbing plastic casing without screws
- ATX-Power-Unit – temperature-controlled with two ball bearing fans “low-noise power supply unit“
- System: XP-Home
- Dual output graphics card for two-monitor-operation
- Network adapter 10/100 MBit
- Warranty: 2 years with pick-up-service



...as well as a state-of-the-art technical equipment!

Premium solution (optional):

- wireless mouse
- wireless keyboard

This silent PC solution particularly proved its suitability for the use of the *Med/TECH* software and as a Biofeedback and Neurofeedback PC.

Any other solutions deviating from the ones described above are possible. In case you purchase *Med/TECH* software at the same time it will be installed on the PC without any extra charge.

This offer is also valid for the installation of the BioGraph software (to be used for Bio- and Neuro-feedback).

Do not hesitate to contact us!

Art.-No.	Name and Description	Price incl. VAT EURO (D)	Meant for: Private Pro
8603	<i>Med/TECH-Silent-PC</i> – Standard solution	price on demand	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

**Biofeedback / Neurofeedback - Multifunctional method of treatment for
ADS, Pain and Peak Performance**

The demand for non-medicamentous ways of medical treatment increases more and more. Particularly today when most of the diseases and other health problems are merely treated with drugs both scientists and practitioners are looking for alternative ways of treatment and therapies with little adverse effects. During the last years one special method has turned out to be very successful: The Biofeedback-Method. Biofeedback is a scientifically established method that makes us aware of physical processes we normally perceive not at all or only superficially. With the help of technical instruments it is possible to transform the recorded physiological processes into graphics and/or audio signals. Whereas Biofeedback can measure function and tension of muscles, skin temperature and skin conductance which allows the patient to influence and therefore train these functions, the derivations of brain waves are important for Neurofeedback (sometimes called EEG-Biofeedback).

The complete system consisting of the ProComp Infinity Encoder and the BioGraph Infinity Software offers you an easy and professional access to the work with Bio- and Neurofeedback.



It was developed and manufactured by *Thought Technology Ltd.*, an experienced Canadian company who is one of the leading producers of Biofeedback systems today. The hard- and software being offered contains all their experience and technical knowledge from the last

20 years, which shows the high level of quality of this professional system.

The Hardware: ProComp INFINITI

With its eight channels the ProComp INFINITI offers the user the opportunity to record eight different signals at the same time. Displayed by the BioGraph INFINITI Software it is possible to watch and train up to eight different functions.

The increasing number of medical practitioners, therapists and psychologists are an objective indication for the efficiency and success of this non-medicamentous form of treatment.

The ProComp INFINITI and BioGraph INFINITI's special advantages are the various possibilities of combining different sensors. You can, for example, connect sensors for the following parameters to get a complete impression and valid results:



- muscle activity (EMG)
- brain activity (EEG)
- heart cardiogram (EKG)
- temperature
- respiration rate
- skin conductance
- blood volume pulse

Particularly the combination of these sensors is the reason why training with ProComp INFINITI and the BioGraph INFINITI software is so practical and effective.

The ProComp INFINITI Encoder can also be used as a mobile monitoring station. Using a CompactFlash card you can easily collect and save the client's sensor data without using a computer. Thus you can perform for example tests with athletes during training or with patients having fear syndromes in special situations. After the mobile data acquisition you can easily transfer all recorded data onto your PC to review and analyse it.

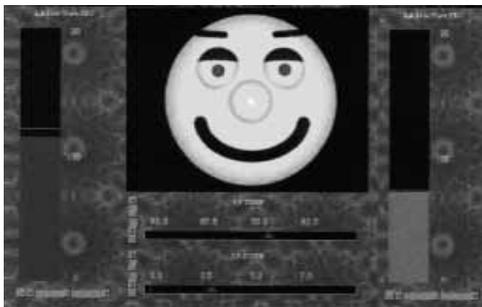


ProComp INFINITI – New features

- automatic sensor recognition
- extremely short input time
- integrated impedance-check for EEG-sensors
- independent data monitoring on CF-card
- easy internal recalibration

The Software: BioGraph INFINITI

In addition to the very universal ProComp INFINITI solution the associated BioGraph INFINITI software offers you a great number of evaluation and training screens. The screen for the patient, for example, can be arranged in accordance to the age of the patient showing either child-orientated animations or more serious ones for adults. In any case either screen will make most of the patients forget that it is a therapeutic session that is just taking place. The motivational character of most screens and their audible and visual feedback often led to questions like: "When can I play with the clown again?" Which therapist doesn't dream of patients who are looking forward to the next session? The great variety of possible ways of documentation for therapists and patients is another important feature of this professional software. Recordings can be reviewed and analyzed immediately after a session or at a later time.



Example for a BioGraph INFINITI screen

BioGraph INFINITI – Newly developed features

- More than 150 ready-to-use screens
- During a session it is possible to switch between up to five training screens without stopping.
- Two synchronized video inputs – you can use two (optional) webcams together
- Standardised data collection
- Automatic impedance check
- Automatic and manual recognition of artifacts
- Automatic sensor recognition and calibration

Sensors for Neurofeedback:

EEG-Z Sensor

Connecting and checking in one step

Enhance the quality of your EEG-recording with low impedance signals. You are now able to check sensor placement and quality of the signal without the need of connecting the sensor to other devices.

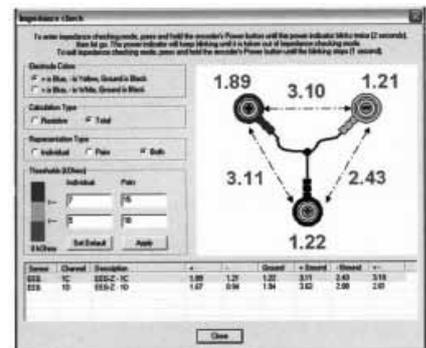


Features:

- Quick and valid impedance check for the ProComp INFINITI. The check is done by the sensor itself regarding all connections.
- Range of sensitivity can be adjusted by the user.
- Result of check is displayed by an easy-to-read coloured diagram.
- Diagram shows exact impedances of and between the three electrodes.

First the EEG-Z sensor checks the impedance of the placements, after that it switches automatically to the normal measuring mode which enables you to start the recording.

The display uses different colours that indicate the quality of placement. In case the figures are displayed in green the placement is good whereas yellow or red figures indicate the electrodes with reasonable or bad placements. The software enables you to define the ranges of sensitivity yourself.



EEG Flex/Pro

EEG-Sensor with built-in preamplifier but without automatic impedance check (as described for the EEG-Z sensor above). This sensor can be used with monopolar or bipolar electrodes in combination with the corresponding sensor cable.



More sensors from the INFINITI programme can be found on the following page.

See also page 57 for suggestions of a basic Neurofeedback equipment. Use the form from page 59 to ask for more detailed information concerning Neurofeedback.

Skin Conductance Sensor



A sensor to measure the conductance across the skin, normally connected to the fingers or toes. Supplied with two finger bands.

EKG Sensor



A pre-amplified electrocardiograph sensor, for directly measuring heart electrical activity. Connects via extender cables for a single channel hook up. Bandwidth of 0.05 Hz – 1kHz.

Respiration Sensor



An easy fitting high durability latex rubber band fixed with velcro respiration belt for monitoring respiration rate from a client. Can be worn either thoracically or abdominally, over clothing.

MyoScan-Pro-EMG-Sensor



A pre-amplified surface electromyography sensor used with the ProComp Infiniti channels C – H for RMS sEMG. Features a range switch in the sensor head to change filter settings between 0 – 400 μ V Wide filter, 0 – 1600 μ V Wide filter. Compatible with Triode electrodes or extender cables for wider placement of electrodes.

Myo-Scan EMG-Sensor



VA pre-amplified surface electromyography sensor used with the ProComp Infiniti channels A – B for RAW sEMG. Compatible with Triode electrodes or extender cables for wider placement of electrodes. Range of 0 – 2000 μ V.

Temperature Sensor

A skin temperature sensor, measuring between 10°C – 45°C. You can use this sensor both with the Infiniti and the previous ProComp+ system.



Blood Volume Pressure Sensor



A pulse detection sensor housed in a small finger worn package to measure pulse rate of client.

Vaginal & Rectal Sensors for MyoScan-Sensor

For single patient multiple use monitoring of the pelvic floor muscles. These precision sensors feature a vertical electrode configuration to ensure measurement along the direction of the muscle group. The T-bar ensures repeatability of measurement with respect to orientation and depth placement between uses. The small overall size and bulb configuration enable comfortable and secure seating of the sensor in a number of client position including walking, standing or prone.



The special catalogue „**Biofeedback / Neurofeedback**“ which offers you a wide choice of electrodes, electrode accessories, cables and other materials can be ordered free of charge from

+49 (0) 5130 97778 0 (Germany)
+41 (0) 1 737 4575 (Switzerland)

Suggestions for basic equipments are shown on the following page. In case you want a specially designed solution we are pleased to arrange it. Do not hesitate to contact us.

- Suggestions for basic equipment Biofeedback / Neurofeedback -

In the following tables we have compiled basic equipments for two fields of application: Biofeedback and Neurofeedback. They both offer you a good basis to start working with the system. The modular construction allows you to extend your system with additional components at any time. The following examples naturally can be adapted to your special needs and fields of application.

Please contact us for any information about individual solutions concerning Biofeedback and Neurofeedback.

We will be pleased to help you!

Field of application: Peripheral Biofeedback

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
8570	ProComp INFINITI/Biograph INFINITI incl. Legacy-& MultiModality-Suite System incl. Manual, transport bag for ProComp Infniti and accessories	4.932,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8565	TT-USB Interface (special price) for the external connection of the ProComp INFINITI	350,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8503	Skin Conductance Sensor for measuring the skin conductance	349,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8504	Temperature Sensor incl. connection cable	259,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8505	Respiration Sensor incl. connection cable	349,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8507	Myo-Scan-Pro-EMG-Sensor for ProComp INFINITI Neurofeedback system and accessories	485,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8542	Triple Electrodes 20 pieces starting equipment	20,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8543	Single Electrodes 60 pieces starting equipment	20,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8513	Uni-Gel Electrodes 100 pieces	35,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
This Biofeedback basis equipment is available for		6.799,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Field of application: Neurofeedback (EEG-Biofeedback)

Art.-No.	Name and Description	Price incl. VAT	Meant for:	
		EURO (D)	Private	Pro
8570	ProComp INFINITI/Biograph INFINITI with Legacy-& MultiModality-Suite System incl. Manual, transport bag for ProComp INFINITI and accessories	4.932,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8565	TT-USB Interface (special price) for the external connection of the ProComp INFINITI	350,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8536	EEG-Sensor Flex/Pro Typ Z for measuring the brain activity	450,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8509	EEG Extension cable (monopolar) incl. connection cable	75,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8518	Accessories Set Neurofeedback Electrode gel, detergent, various materials e.g. testing set of single electrodes, cleaning alcohol, styrofoam head	150,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
This Neurofeedback basis equipment is available for		5.957,00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

You need a PC running with Windows XP® for the work with the ProComp INFINITI/BioGraph INFINITI system. Your graphics card should be able to operate two monitors. A complete solution for a suitable computer set can be found on page (53) – Silent-PC. In case you want to purchase a

Biofeedback equipment **and** a PC we will deliver the PC ready-to-use with an installed BioGraph system. In case of questions please contact us – we will be pleased to help you.

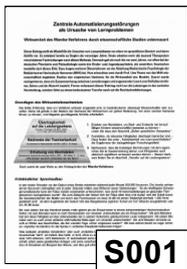
Yes, I'm interested and want to know some more...

Please send me the following documents for free:

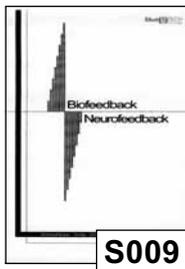
...concerning the scientific study about the efficiency of the Warnke-Method	...and additionally for hand-out or distribution:
<input type="checkbox"/> Detailed version (S001)	_____ pcs.
<input type="checkbox"/> „Parents' Version“: Successful learning by automation (S023)	_____ pcs.
<input type="checkbox"/> „Good bye private lessons?!“ - special print from the magazine „Gehirn und Geist“ (S021)	_____ pcs.
<input type="checkbox"/> „The Learning Professionals“ (S010)	_____ pcs.
<input type="checkbox"/> Current programme of seminars and workshops (S030)	_____ pcs.
<input type="checkbox"/> Information about Try-and-Rent (S028)	_____ pcs.
<input type="checkbox"/> Agreement for regular training (S011): “Contract” between parents and child in order to increase motivation for regular training.	_____ pcs.
<input type="checkbox"/> Service Contract and Extension of Warranty (F083)	_____ pcs.
<input type="checkbox"/> Informationen about the cooperation model (F063)	_____ pcs.
<input type="checkbox"/> English information material about the Warnke-Method (S029)	_____ pcs.
<input type="checkbox"/> Information about <i>Brain-Boy</i> ® Universal Professional (BUP) (S018)	_____ pcs.
<input type="checkbox"/> The <i>MediTOOLS</i> -Service-Contract (F028)	_____ pcs.
<input type="checkbox"/> Informationen about Biofeedback / Neurofeedback (S009) (a non-medicamentous treatment of AD(H)S.)	_____ pcs.

My Data:

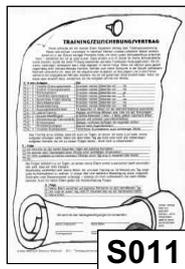
First Name: Date of Birth:
Surname: Profession:



S001



S009



S011



S018



S021



S023

Practice:
Address:
Postcode/City:
Phone: Fax:
E-mail:

Fax: +49-(0)5130 - 9 77 78-22

MediTECH®'s Certified System of Quality Management

In the European Union any technical device used for medical purposes is subject to strict regulations concerning quality, which are guaranteed by a corresponding quality management system for production and sale. The special guideline no. 93/42/EWG for medical products, which is part of the German Law for Medical Products, lists up all requirements a company has to meet to get permission to manufacture and sell medical products.

The *MediTECH Electronic GmbH* was the first European company manufacturing order threshold and Lateral Training devices - and will probably be the only one for the next time - who received the certificate for observance of the annex VI paragraph 3.2 on the 25th of January 1999 from the VDE-Certification Institute Offenbach.

Already in December 1998 *MediTECH* started this quality management system to ensure a higher and constant standard of quality. It took us only a few months to systematically integrate the system into our firm and get it certified, which confirms our efficient and effective way of working.

All devices bearing the label shown below are certified by the VDE as active medical products class 2 A.



Further Information

This catalogue offers a detailed presentation of medical products and accessories for the training of central automation deficits. Today this method is used by more than 2000 therapeutic and clinical institutions (in Germany, Austria and Switzerland) and has been integrated into therapeutic and medical treatments quite successfully.

This method created by Fred Warnke is mostly based on findings of a great number of international scientists as well as on the experiences of many therapists and medical practitioners. Moreover there are three German patents which form the foundation of this method:

- **Device for improvement of the coordination of the brain hemispheres**
(Patent-No. 39 39 401, 25th April 1991)
- **Method and device for training of the order threshold in human beings**
(Patent-No. 43 18 336, 1st June 1994)
- **Device for assisted training and learning**
(Patent-No. 19 603 001, 23rd November 2000)

Within the scope of the certification of the quality management system of our firm, the *MediTECH* training devices were checked and certified after the Law for Medical Products as class 2-A medical products by the VDE Offenbach. Therefore they meet all legal requirements concerning quality and safety. Besides the devices' additional equipment

components also have to meet certain quality standards.

These are referring to the regulations of the Law for Medical Products (particularly EN 60601):

- special headphones and microphones
- a special connection cable that was developed especially for the purpose of connecting the *essential* CD-player to the Lateral-Trainer (AVT-7000 or LT 3.0). It is an obligatory accessory.

A continuously increasing part of our therapeutic material (texts and CDs) was recorded in the "artificial head stereophony", which offers a very realistic hearing impression. Thus the CDs combined with identical textbooks support the deciphering of written and spoken language and decrease basal problems. The combination of the usually separately employed order threshold training with the Lateral-Training offers an important function, too, since it founds the *essential* basis for rapid processing of sense stimuli into understandable information.

MediTECH® Electronic GmbH – General Terms and Conditions of Business

Stand: Februar 2004

§ 1 General Provisions

(1) Contracting party in the sense of the following General Terms and Conditions shall be the party that establishes a business connection with us.

(2) The following General Terms and Conditions shall apply for us and our contracting party both for the case that we act as the principal and for the case that we act as the agent.

(3) For any contract conclusion, exclusively our General Terms and Conditions shall apply; other conditions shall not become subject of the contract even if we do not explicitly object to them.

(4) The contractual relationship of the parties shall exclusively be based on the law of the Federal Republic of Germany. The uniform Laws of Purchase of the Hague Convention of 1954 shall not apply.

(5) Our offers shall be non-binding and without obligation. If we send order acknowledgements or letters of confirmation these shall be decisive for the subject terms of the contract.

(6) Illustrations, drawings, size and weight specifications, descriptions etc. in offers, price lists and other documents are compiled or acquired at the best possible rate. If they are not explicitly specified as binding, we reserve the right to perform negligible modifications. Furthermore we reserve the right of ownership and copyright for cost estimates, drawings and other documents. They shall not be made accessible to third persons without our explicit permission.

(7) With publication of the latest version of one of our prints/documents or the publication of new offers respectively, all previous offers and prices shall become invalid.

(8) Orders through the internet shall primarily be subject to our online terms and conditions which are available in their current version on www.agb.meditech.de.

§ 2 Delivery Time

(1) Events of force majeure like a legal labour dispute in our or other companies on which we are dependent concerning the supply with material/goods, furthermore war etc. shall constitute our right to delay the fulfilment of the contract. In these cases, claims for damages shall be excluded.

(2) In the event of an illegal industrial action a liability shall only be considered in case of gross negligence.

§ 3 Terms of Payment

(1) If nothing else has been explicitly agreed upon in writing the value of deliveries executed by us shall be charged cash on delivery in Euro (*). For postage and packaging, a lump sum (incl. VAT) shall be charged, in addition to the respective fee for cash on delivery. From a goods value of 300.00 € the delivery within Germany shall be free of postage. For all shipments we shall charge a packing share of 0.85 % of the goods value, however limited to a maximum of 7 Euro.

(2) If we execute deliveries on open account, payments shall be due within 10 days after invoice date. Payments shall be made net without cash discount or other deductions.

(3) If a specific date of payment is determined in the letter of confirmation and/or the invoice and the date is not kept, the consequences of default shall take effect without the need of a prior reminder.

(4) In case of default we shall be entitled to claim default interest at the rate of 5% p.a. above the respective base interest rate, for legal transactions exclusively with entrepreneurs, 8% p.a. above the respective base interest rate.

§ 4 Reservation of Ownership

(1) The seller reserves ownership of the goods until full payment of all receivables of the business relationship between seller and buyer including future receivables arising from simultaneously or later concluded contracts. This shall even apply if individual or all receivables of the seller were added to a running account and the balance of this account has been accepted.

(2) The purchaser shall only be permitted to resell the reserved goods in the ordinary course of business if he/she at the same time assigns all receivables to the seller, which accrue to the purchaser against customers or third persons from reselling. If reserved goods – in raw form or after processing in connection with goods which are exclusively owned by the purchaser – will be sold, the purchaser shall already now assign the receivables in full which accrue to him/her from reselling. If reserved goods – after processing/connection – will be resold by the purchaser together with goods not owned by the seller, the buyer shall assign already now before the rest the receivables accruing to it from the reselling in the amount of the value of the reserved goods including all ancillary rights and RANG. The seller accepts the assignment. Following the assignment the purchaser shall be entitled to collect these receivables. The entitlement of the seller to collect the receivables on his own shall not be affected by this; yet/however the seller shall be obliged not to collect the receivables as long as the purchaser regularly meets his payment and other obligations. The seller shall be able to demand that the purchaser notifies to us of all assigned receivables and their debtors, makes all specifications required for the collection, hands over all corresponding documents and informs/notifies the debtors of the assignment.

(3) Without thereby imposing any obligations on it, the seller shall carry out/undertake possible processing or refashioning of the reserved goods. In case of inseparable

connection, mingling or processing of the reserved goods with other goods not belonging to the seller, the seller shall acquire co-ownership of the new thing in the ratio of the value of the reserved goods to the value of the other processed goods at the time of processing, connection or mingling. If the purchaser acquires the sole proprietorship of the new thing the contracting parties shall agree that the purchaser grants the seller co-ownership of the new thing in the ratio of the value of the processed, connected or mingled reserved goods (to the total value of the good) and guarantees storage for the seller free of charge.

(4) Without restriction we shall be entitled to demand delivery of the goods, revocation of the mandate as well as enforcement of the receivable of third persons in particular, if on the part of the contracting party

a) a protest on a cheque or bill on exchange will be notified, b) an application for insolvency proceedings will be filed/made,

c) the agreed date of payment will be exceeded by 14 days,

d) other contractual provisions will not be observed.

(5) At any time independent of possible disputes we shall be entitled to demand information, inspect the business documents or create photocopies from the contracting party as far as this is required to establish the rights named above.

(6) In case of over security and on demand of the contacting party we shall abandon the agreed reservation of ownership in a reasonable/appropriate scope and declare the release of the goods/articles.

§ 5 Warranty

(1) Notifications of defects, which refer to obvious defects of the delivered item, have to be asserted in writing in the non-commercial trade within two weeks after receipt of the goods.

(2) Subject to the precedingly specified term for notification of obvious defects, the warranty term for construction manuals, kits and self-manufactured devices/devices of internal production shall be 24 months.

(3) In case of defects concerning component parts or devices, which we purchase from preliminary suppliers, we shall not be liable until the contracting party proves the out of court attempt to achieve settlement of its claims against the preliminary supplier. As far as required for this purpose we shall assign it/the contracting party our receivables.

(4) Our warranty claims are initially limited to the right of rectification of defects or compensation delivery. In case of failure of the rectification of defects or compensation delivery the contracting party shall be entitled to claim mitigation of payment or cancellation of the contract.

(5) For installations it is necessary to observe the security and VDE-regulations. We shall not assume warranty for failures which arise due to inappropriate treatment, incorrect use, faulty connection and insufficient or faulty installation of the periphery (e.g. antenna, monitor, printer, etc.).

§ 6 Liability

(1) Our liability shall be limited to intent and gross negligence.

(2) Our liability for default and impossibility and for consequential harm caused by defect shall be limited to the half of the respective net value or the half of the account amount.

(3) We shall only be liable for incorrect information as far as a consultation which has been expressly agreed upon preceded the conclusion of the contract.

(4) In case of purchasing send-only devices and receivers, oscillators, remote control devices, two-way radios etc. we assume the knowledge of postal authorisation regulations. We shall not be obliged to expressively inform in this regard.

§ 7 Rescission

(1) We shall be entitled to recede from the contract a) if, due to force majeure we are not able to execute the delivery of the purchased product.

b) if the contracting party exceeds the date of payment by more than 14 days and the set respite is not observed either/elapses the set respite.

c) if the contracting party has made incorrect statements concerning its creditworthiness.

(2) The contracting party shall be entitled to recede from the contract

a) if we make the execution of the delivery impossible by acting intently or grossly negligent.

b) if we do not keep the delivery time extended by a reasonable respite.

§ 8 Shipping

(1) The shipping will be executed in general by parcel service (UPS) or by post (foreign countries). Dependent on the size and weight of the good we reserve the right to use other ways of shipping like private parcel services, forwarding agencies, airfreight or rail freight. The suitable way of shipping shall be selected/chosen by us.

(2) Within the area of the Federal Republic of Germany we shall bear the complete risk for damages or loss of goods during transport. For this service we charge an amount of 0.85% of the invoice value.

(3) For the case that goods delivered by us subject to import or export restrictions our duty of care shall be limited to labelling the goods as embargo goods. Further necessary measures shall be incumbent on the contracting party. Up to a value of goods of • 500.00 no movement certificate EUR 1 or form EUR 2 for the preferential

movement of goods can be issued.

(4) Externally recognisable damages of the delivery have to be noted by the deliverer of the consignment (railway, post, forwarding agency) on the consignment note or have to be certified in writing in another appropriate way.

(5) In case of externally unrecognisable damages, defects or weight reduction of the content which first become apparent during unpacking, the unpacking has to be stopped immediately. The damage has to be reclaimed from the transport company which shall be asked/demanded to record the facts of the case and the estimation of the damage. Specifically

a) for the post (post office): at the date of delivery, b) for the railway (delivery of goods, express service): within 7 days,

c) for forwarding agents and carters: within 4 days after delivery of good.

(6) In all cases the representative of the transport company shall leave the goods and packing in the condition in which it was at the time of discovering the damage. The culpable breach of this secondary obligation can lead to damage claims due to default in performance of contract.

§ 9 Repairs

(1) We shall provide written cost estimates for repair orders for the case that the repair costs exceed an amount of 50 Euro. If the estimated repair costs are below this amount we assume agreement and undertake the repairs immediately.

(2) We reserve the right to assume agreement to the repair within a term of four weeks upon entry of the repair order and undertake the repairs as well as rejection/turning-down of repair orders if, from our point of view, the undertaking would be economically and/or technically unjustifiable. A repair order acknowledgement consequently shall not establish the legal claim for performance of the repair order.

§ 10 Return Consignments

(1) If the concerned article is in good order and condition and in the original packing, return consignments of private customers which do not include warranty claims can be carried out/undertook within 14 days after the receipt of the good. As far as possible the reason for the return shall be enclosed in the return consignment in writing.

(2) The exchange of specialists magazines, books, construction manuals, other literature, software, CDs, record player systems and needles, batteries, individual components as well as construction kits and parts which have been already processed or built in, as well as special orders shall be excluded.

(3) Return consignments of goods from commercial/industrial customers, companies or institutions shall exclusively be redeemed with our preceding written agreement. The credit for the redeemed goods subjects to a deduction for service costs/charge of at least 10% (of the value of goods) as far as nothing else has been explicitly agreed upon (in writing).

(4) In case of return consignments the contracting party shall bear the costs and risks of transport.

§ 11 Setting Off

The contracting party may only set off our claims from deliveries or advertisements which base on these General Terms and Conditions with counterclaims which are undisputed or have been upheld by a final and non-appealable court judgement.

§ 12 Data Protection

According to section 26 of the German Data Protection Act (Bundesdatenschutzgesetz) we point out that we save data communicated to us by our contracting party using EDP.

§ 13 Place of Jurisdiction

As far as the contracting party is registered merchant, legal person under public law, separate estate under public law or has its registered office or residence outside the Federal Republic of Germany, Hannover shall be the exclusive place of jurisdiction for all disputes concerning the contract or arising from the privities of contract/contractual relationship.

§ 15 Limited Inefficacy Clause/Concluding Provisions

Should individual agreements of the contract or of these General Terms and Conditions be or become partly or completely invalid or infeasible, this shall not affect the validity of the other contract provisions. The same shall apply if a loophole of these General Terms and Conditions becomes visible. Instead of the invalid or infeasible agreements or for filling the loophole the contracting parties shall commit themselves to find an appropriate provision which as far as legally possible approaches/comes nearest to what the contracting parties wanted or would have wanted according to the sense and purpose of this agreement, required that they did not know the invalidity or infeasibility of the concerned agreement while concluding the contract.

