

System of control and analysis of psychophysiological information (CAPI). Model "REHACOR-Next"

illustrated catalog

REHACOR-NEXT – your best aid in mastering the skills of psychophysiological self-regulation

Bluetooth®

35.24
T, °C

12.87
CkC, μ S

3.2
EEMG, μ V

0.47
Involvement index: Beta/(Alpha+Theta)

26%

galvanic skin response

0.01 %

37 %

biofeedback, neurofeedback, neurofitness...



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The production quality management system
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13485:2016 is certified in accordance with the
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Content of the illustrated* catalogue

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* The appearance of the product samples is given as an example and may have some differences during delivery that do not affect the functional purpose.





V_05-12-2024_26-03-2025

The system is designed for conducting biofeedback trainings based on the principles of auto-training and mental self-regulation. The system is used for the control of the psychophysiological state, objective psychological and psychophysiological testing of persons of stressful professions, athletes, students, managers, as well as personnel of various organizations. The system is used for scientific, educational and marketing research, psychodiagnostics.

The system cannot be used as a medical device and cannot be used for medical purposes.

Functional purpose of REHACOR-NEXT

Software	Page	Comment
Software functional biocontrol with biofeedback training "REHACOR"	6	The software includes a large set of preset training scenarios with biofeedback - BFB to improve the psychophysiological state, increase stress resistance, as well as to teach self-regulation skills and optimal functioning of athletes, students, top managers, people of stressful professions.
«Cardfile» application	6	Recording and storage of data on ongoing sessions and training courses and customer data, preparation of output documents, printing of study results.
Software for Objective Psychological Analysis and Testing system «Egoscop»	49	A new innovative level of psychodiagnostics before and after conducting training courses with BFB helps to evaluate the effectiveness of the courses. During the testing process, the parameters of the motor activity of the subject's hand are recorded synchronously on a touch screen-tablet, as well as parameters reflecting emotional reactions. The technology provides objective data analysis in relation to semantic clusters of tests from the EGOSCOP software.
Heart rate variability software	51	Assessment of the state of the autonomic nervous system and psychophysiological regulation of the client based on the study of heart rate variability to assess the adequacy of physical and psychoemotional loads.
Software for multiparameter analysis of signals from polygraphical channels in combination with EEG signals «Encephalan-MPA»	52	Calculation and visualization of trends of recorded signals and calculated indicators reflecting the cardiocycle (in relation to the R wave of the ECG) dynamics of various psychophysiological indicators, autonomic (ANS) and central nervous systems (CNS) is provided.
"Encephalan-AVS" software for EEG and EP studies with audiovisual stimulation	54	EEG and EP studies for solving various scientific and practical tasks of studying the mechanisms of perception in psychophysiology, using scenarios of audiovisual cognitive stimulation.

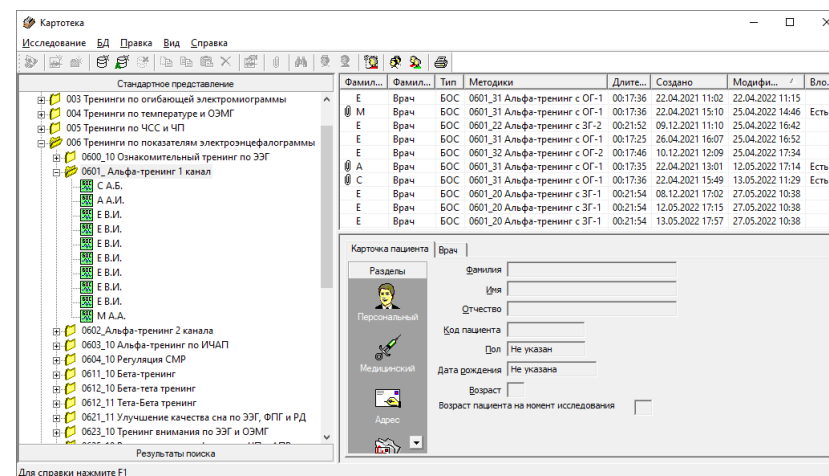
№	Catalogue number	Name and description	Photo
1.	B_0565	The basic set of hardware and software	
1.1		<p>A_9544. Wireless amplifier unit ABP-2 (base unit)</p> <p>It has a built-in wireless module "Bluetooth 5.2" (Bluetooth low energy) for communication with a PC and additional wireless units, modules and sensors from the set. The base unit has one Micro-8M input connector for two bipolar or two monopolar EEG leads or two polygraphic sensors/electrodes, as well as for the I2C interface (digital sensors). The unit has a built-in motion sensor and a multifunctional button. On the back of the unit there is a button for connecting a disposable neutral electrode or conductor of an N electrode (A_1150).</p> <p>The set with ABP-2 includes:</p>	
1.2		<p>A_5125. Charger Cable (Micro 8M)</p> <p>For ABP-2</p> <p>The charging cable has USB-A and Micro-8M connectors and is used to connect the purchased charger to the ABP-2 base unit and the Poly-2 module (if available).</p>	
1.3		<p>A_1150. Neutral wire (with "snap" connector Ø 12 mm and with connector "socket" Ø 12 mm)</p> <p>It can be used in ABP-2 and Poly-2 (if available) units when they are freely placed (not fixed with a disposable ECG electrode) and the connector socket on the module and block housings is connected by a wire with the N electrode conductor button to remove the socket for the N electrode to the required distance and fix the disposable ECG electrode on the skin.</p>	
1.4		<p>A_0375. Simulator IS-Micro</p> <p>For ABP-2 and Poly-2 (if available)</p> <p>The simulator has an 8-pin EEG connector (Micro-8M) and is connected to the corresponding socket of the ABP-2 or the Poly-2 units.</p>	

1.5	A_3796. Lace for ABP-2 (Poly-2) (chest) – 2 pcs.	
1.6	A_0951. Arm strap for ABP-2 (Poly-2) – 2 pcs.	
1.7	A_3853. Head strap for ABP-2 (Poly-2) – 2 pcs.	
1.8	<p>A_4029. Wireless PC adapter IB-USB</p> <p>The IB-USB interface unit ensures the operation of the communication channel of the IB-USB unit with the PC of the System via the USB interface and the operation of 10 information communication channels of the wireless interface "Bluetooth 5.2" of the IB-USB unit with the Base unit ABP-2, as well as additional modules and devices of the System, ensuring mutual synchronization of data flows from them.</p>	

1.9

A_2348. Software «Cardfile»

The software is designed to save and structure data on conducted research in an electronic file (database), search for the necessary studies according to specified criteria, save the analysis results as attached files (protocol on the conducted research, export files to Excel and Word, screenshots with graphs and diagrams), generate reports on conducted studies.

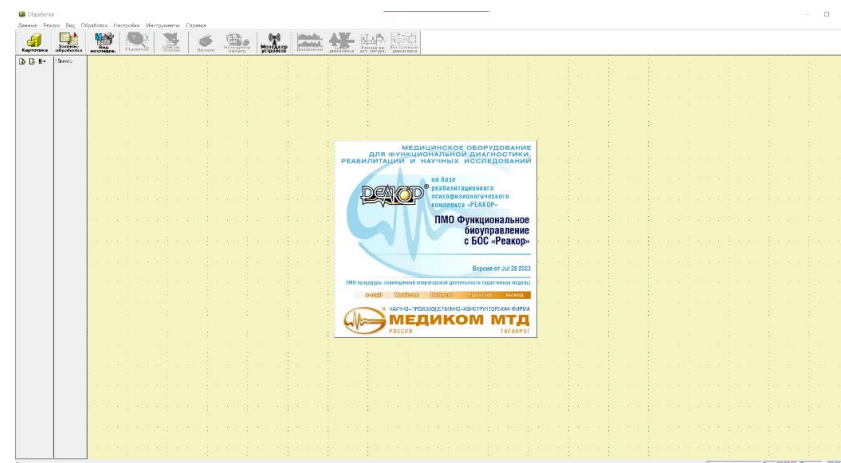





1.10


A_3889. Software functional biocontrol with biofeedback training "REHACOR"

The software provides trainings for functional biocontrol with biofeedback (BFB and NFB trainings) in order to teach self-regulation skills and condition training with the control of various physiological parameters. The software must include a Basic library of training scenarios with BFB (B_0777), which includes 7 groups of training scenarios and a set of necessary sensors and cables to them. The software may also include additional training groups with scenarios for various purposes, which the Customer can purchase in accordance with their needs and this catalog.



The software provides an opportunity to create new training scenarios and include them in the library of software scripts as additional trainings.




2.	B_0893	Additional set of equipment It is used in the trainings of B_0785 group (neurobiofeedback), as well as with the software "ENCEPHALAN-MPA" and with the EEG and EP studies "ENCEPHALAN-AVS". Including:
2.1	A_9878-1. Wireless amplifier unit Poly-2 It is used: <ul style="list-style-type: none"> • in the trainings of the "Neurofeedback"; • with additional software "ENCEPHALAN- MPA" for analyzing signals through polygraphic channels together with EEG signals; • with EEG and EP studies "ENCEPHALAN-AVS" using audiovisual stimulation. Set of wireless amplifier unit Poly-2 includes:	
2.2	A_5125. Charger Cable (Micro 8M) For Poly-2 The cable has USB-A and Micro-8M connectors and is used to connect the purchased charger to the ABP-2 base unit or additional the Poly-2 unit.	
2.3	A_1150. Neutral wire (with “snap” connector Ø 12 mm and with connector “socket” Ø 12 mm) (3pcs) It can be used in ABP-2 and Poly-2 (if available) units when they are freely placed, not fixed with a disposable ECG electrode, and the connector socket on the module and block housings is connected by a wire with the N electrode conductor button to remove the socket for the N electrode to the required distance and fix the disposable ECG electrode on the skin.	

2.4	A_0951. Arm strap for Poly-2 (ABP-2) – 2 pcs.	
2.5	A_3853. Head strap for ABP-2 (Poly-2) – 2 pcs.	
3.	General additional accessories	
3.1	A_0881. Charger (specify the type when order) Designed for charging wireless devices of the system using a charger cable (A_5125) for the ABP-2 unit or POLY-2 unit (if available), as well as using a charger cable (USB-C, A_9447-21_KM) for the electro-vibro-tactile module (if available) or balance platform (if available).	
3.2	A_2329. SW key (USB adapter) Provides the possibility of using the purchased software on an additional user's computer, including in the network version for processing the received data.	

3.3	<p>A_2229. ECG Electrodes Set (clamp EEG electrodes 3 pcs.) For use in training instead of disposable electrodes (if possible).</p>	
3.4	<p>A_2129. Adhesive paste Unipaste For adhesive cup electrodes (120 gr.).</p>	
3.5	<p>A_1302. Adhesive plaster (OMNIFIX elastic or similar) For fixing electrodes and sensors. Size 10 m x 5 cm</p>	
3.6	<p>A_2714. Disposable ECG Electrodes (used for recording ECG, EMG, EOG, in a package of 100 pcs.)</p>	

4.	Computer equipment and additional components	
4.1	<p>A_2380. Real-time computer station (portable)</p> <p>Minimum characteristics of a portable PC (no worse): Intel Core i5 processor type, 8GB RAM, 512 GB SSD, 14" display and larger, HDMI port, minimum 2 USB ports, Windows 10 and later, a mouse. It requires an integrated <i>Iris</i> video card or a discrete video card in the PC. Connection of one additional monitor and VR goggles is required.</p> <p>Warning! When purchasing, it is necessary to coordinate the parameters with the manufacturer.</p> <p><i>! If the Customer wishes to choose an improved version of computer equipment, it is mandatory to inform the supplier about this and coordinate the characteristics of computer equipment with the manufacturer.</i></p>	
4.2	<p>A_8585 AR goggles</p> <p>They provide the perception of audiovisual information and immersion in multimedia for training with BFB on a 120-inch virtual screen.</p>	
4.3	A_5109. Kaspersky Internet Security antivirus software	
4.4	A_4319. MS Office. Word and Excel are required	
4.5	<p>A_2604. Portable computer carrying bag</p> <p>At Customer's choice.</p>	

4.6	A_0687. Additional monitor (23" and larger) The monitor is necessary for effective work with Software functional biocontrol with biofeedback training "REHACOR" and "ENCEPHALAN-AVS" .
4.7	A_4379. High-quality open-type headphones - at the Customer's choice instead of a computer speaker system
4.8	A_4300. Computer acoustic system 2.1 or 3.1 Purchased at Customer's choice for an additional monitor
4.9	A_5565. Digital widescreen TV at Customer's choice
4.10	A_4087. A4 laser printer at Customer's choice

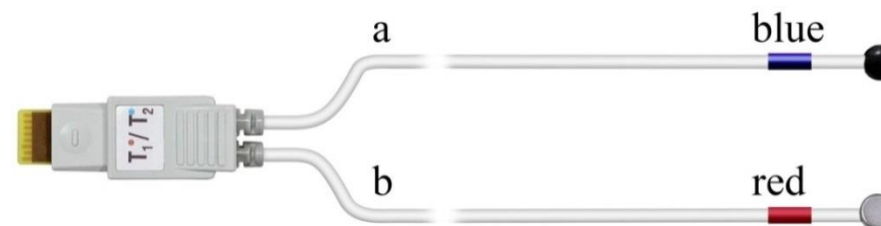
5.	The basic library of training scenarios with BFB from the composition of the SW FBC with BFB REHACOR	
5.1	B_0777	<p>The basic library of training scenarios with BFB from the composition of the SW FBC with BFB REHACOR, including 7 training groups (36 scenarios), as well as a set of necessary sensors and cables:</p> <p>The set of sensors for the main library of training scenarios with BFB when delivered includes the following sensors: A_1640, A_5686, A_4142-1, A_5575, A_8302-2, A_5430-1, A_5691, A_5430-2, A_5577, A_4031-3, A_2673-3, A_5689, A_5635, A_5570-1.</p> <p>Attention! it is necessary to purchase separately:</p> <ul style="list-style-type: none"> • A_2129 Adhesive paste Unipaste (3.4) for adhesive cup electrodes (120 gr.); • A_1302. Adhesive plaster (3.5) OMNIFIX elastic or similar for fixing electrodes and sensors. Size 10 m x 5 cm; • A_2714. Disposable ECG Electrodes (3.6) used for recording ECG, EMG, EOG, in a package of 100 pcs.
5.1.1	B_0773	Group 020. Temperature biofeedback trainings
	 <p>The use of training in terms of surface skin temperature accelerates and increases the effectiveness of the process of learning mental relaxation skills, which are an important prerequisite for the success of most other types of training.</p>	<p>Includes trainings:</p> <ul style="list-style-type: none"> • 0202_10 – Relaxation with temperature control. • 0203_12 – Temperature regulation - 2 game stages. • 0201_10 – Hands temperature balance regulation. • 0201_11 – Temperature regulation 2 channels.

A_1640. Temperature Sensor (low-inertia) (Micro-8M)

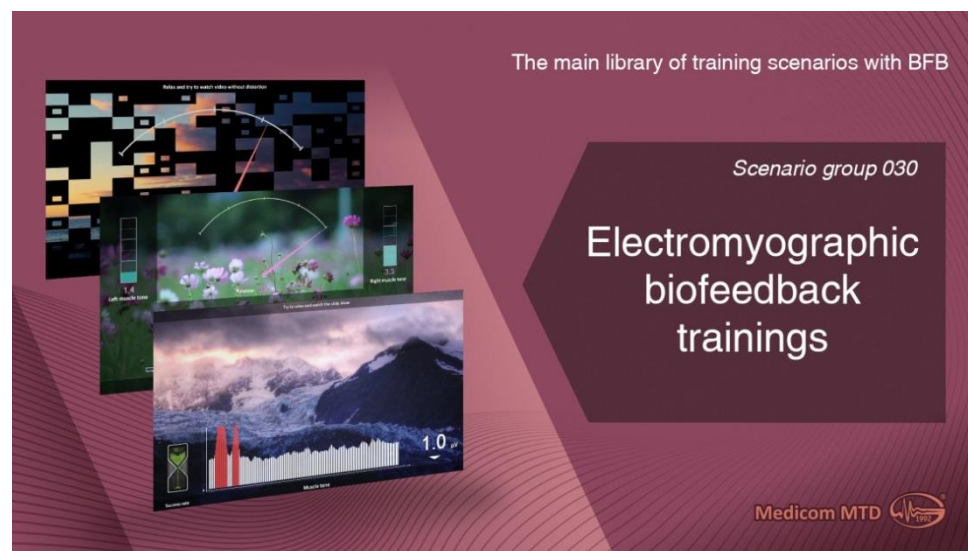
Used in scenarios **0202_10** and **0203_12**

**A_5686. Sensor T₁/ T₂ (Micro-8M)**

Used in scenarios **0201_10** and **0201_11**



5.1.2

B_0774**Group 030. Electromyographic biofeedback trainings**

Trainings allow a client to reduce general and psychoemotional tension, anxiety, by reducing excessive muscle activity.

Correction of central and peripheral motor disorders of various genesis is carried out by improving voluntary motor activity, reducing spasticity and hyperkinetic activity, reducing pathological reflexes and synkinesias.

Includes trainings:

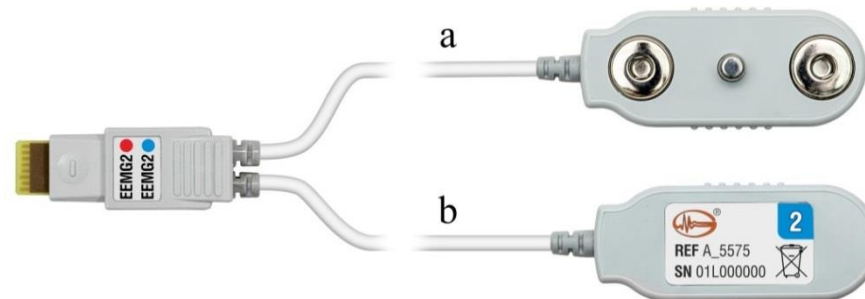
- **0301_10** – Introduction to muscle relaxation.
- **0302_10** – One muscle relaxation training.
- **0316_10** – Two muscles relaxation training.
- **0314_10** – Two muscles tone balance maintainin.
- **0315_10** – Two muscles tone maintaining with one muscle controlled tension (synkinesis and reciprocity).

A_4142-1. Envelope EMG Sensor (double) (Micro-8)

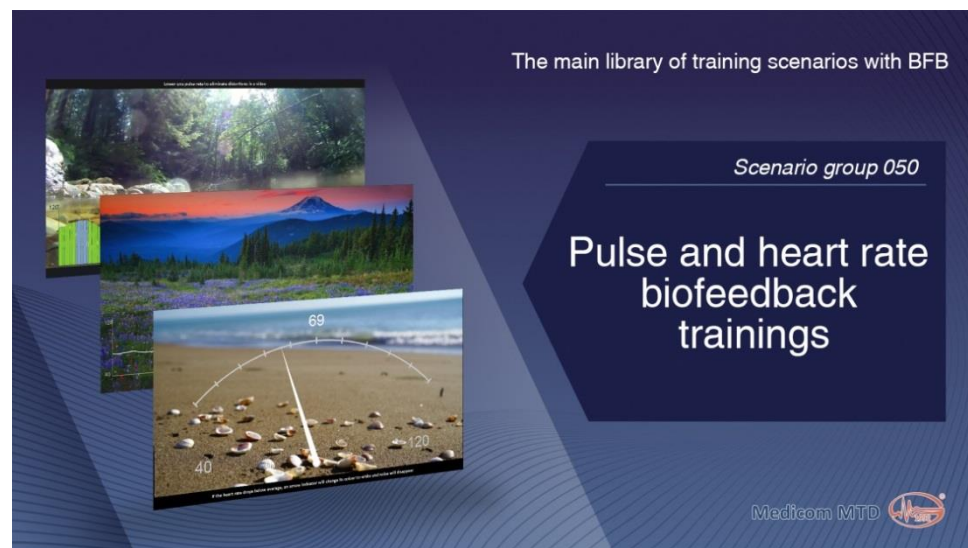
Used in scenarios **0301_10** and **0302_10**

**A_5575. Sensor EEMG2/EEMG2 (Micro-8M)**

Used in scenarios **0314_10**, **0315_10**, **0316_10**



5.1.3

B_0775**Group 050. Pulse and heart rate biofeedback trainings**

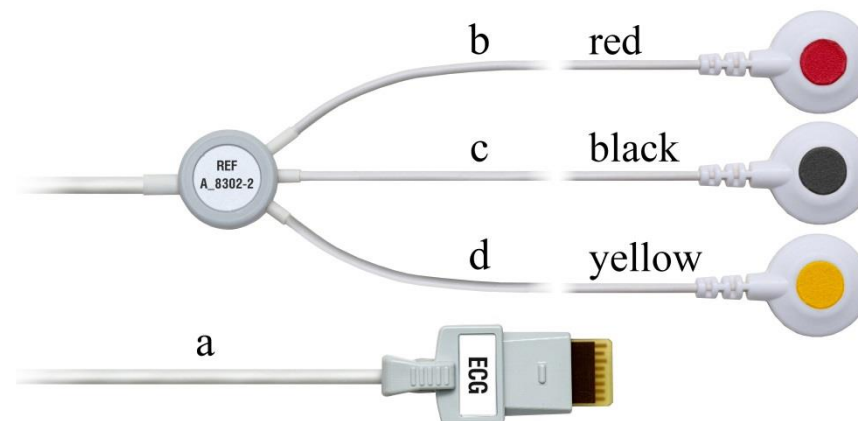
Trainings can be recommended both with elevated resting heart rate values and with a decrease in heart rate variability (due to a cardiac respiratory arrhythmia), to increase the functional reserves of the body and improve overall health. They are used for stress reactions and psychoemotional overstrain.

Includes trainings:

- **0501_10** – Heart rate introductory training.
- **0502_10** – Heart rate decrease training.
- **0511_10** – Pulse rate introductory training.
- **0512_10** – Pulse rate decrease training.
- **0504_10** – Heart rate variability training.
- **0815_10** – Heart rate variability training with pulse and respiration rate control.
- **0816_10** – Heart rate variability training with pulse rate control.

A_8302-2. ECG-Cable (with N electrode) (Micro-8)

Used in scenarios 0501_10 and 0502_10



A_5430-1. SkC/PPG Sensor (Micro-8M)

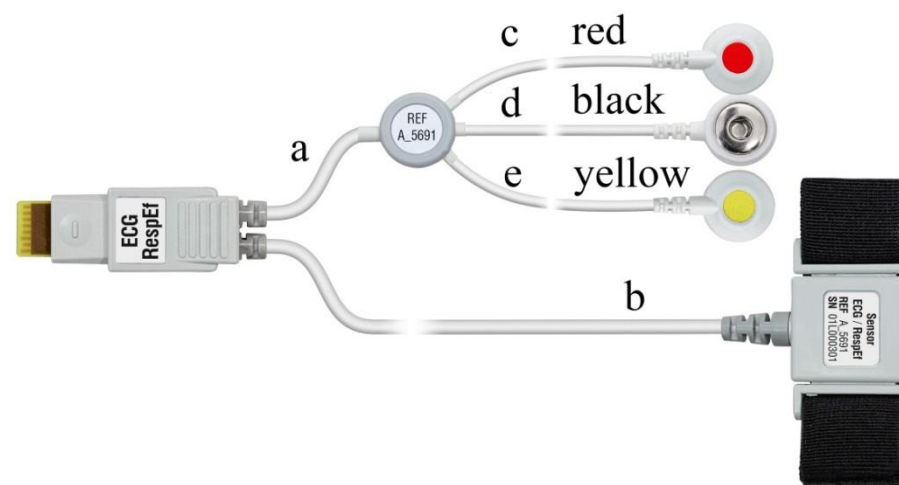
(SkC sensor is not used)

Used in scenarios 0511_10, 0512_10, 0816_10



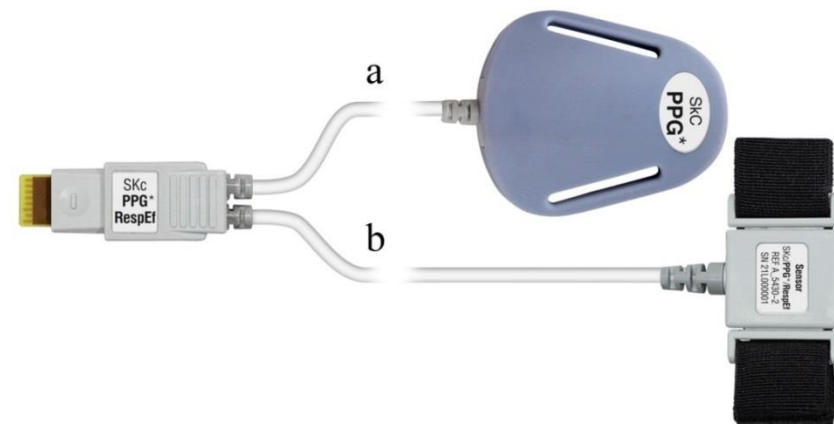
A_5691. ECG/RespEf Sensor (Micro-8M)

Used in a scenario 0504_10

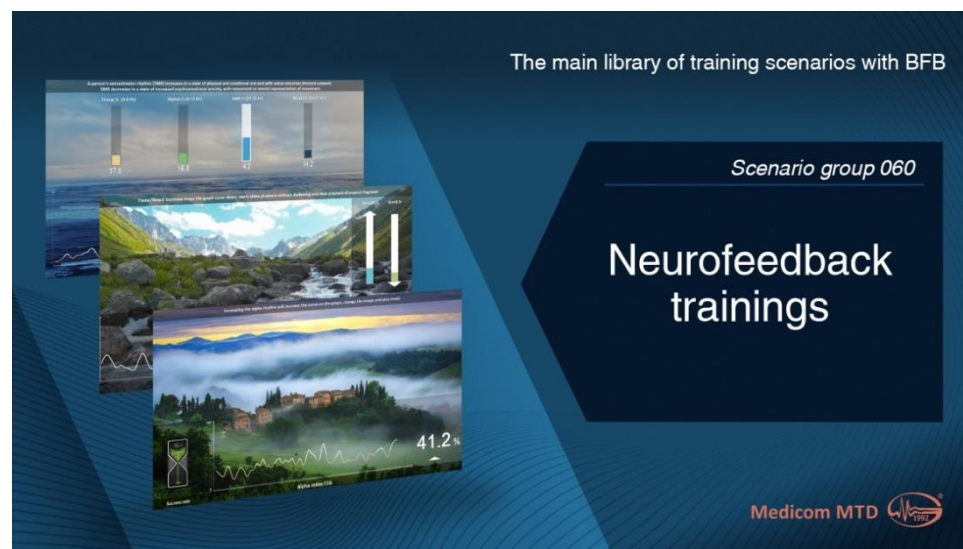


A_5430-2. Sensor SkC/PPG*+RespEf (Micro-8M)

(SkC sensor is not used)

Used in a scenario **0815_10**

5.1.4

B_0776**Group 060. Neurofeedback trainings**

Scenarios from the Alpha-stimulating training group are aimed at increasing the alpha activity of the brain, which contributes to the development of mental relaxation skills, increasing resistance to stress, improving creativity and memory.

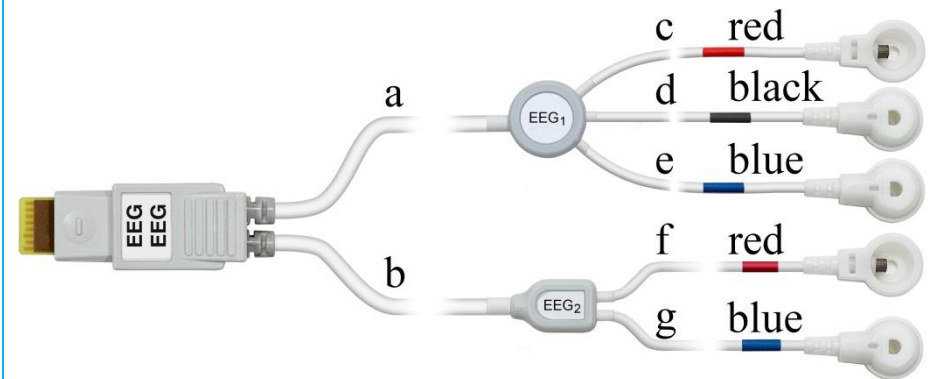
The scenarios of the Beta-encephalographic training group contribute to improving cognitive and motor functions, reducing the severity of depression and anxiety, and also allow you to correct conditions associated with attention disorders and improve concentration skills.

Includes trainings:

- 0600_10 – Neurofeedback introductory training.
- 0601_20 – Alpha training with closed eyes, the first level of difficulty.
- 0601_22 – Alpha training with closed eyes, the second level of difficulty.
- 0601_30 – Alpha training with open eyes, the first level of difficulty.
- 0601_32 – Alpha training with open eyes, the second level of difficulty.
- 0602_10 – Alpha training with closed eyes, two channels.
- 0602_11 – Alpha training with opened eyes, two channels.
- 0611_10 – Beta training.
- 0612_10 – Beta/theta training.
- 0612_11 – Theta/beta training.
- 0604_10 – Sensorimotor rhythm regulation.
- 0627_10 – Alpha-Theta training.

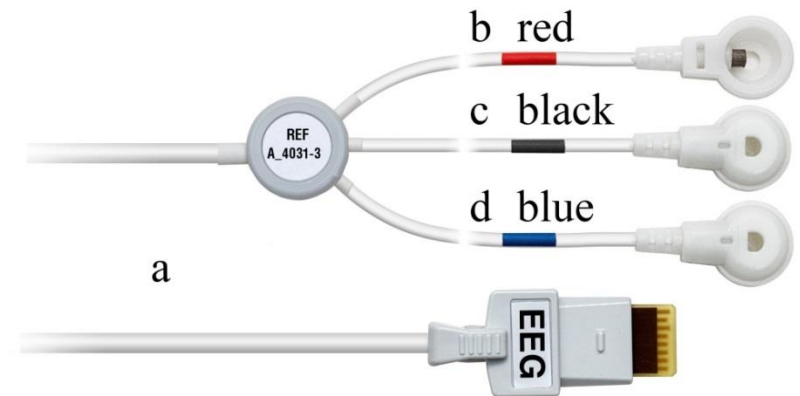
A_5577. EEG/EEG Sensor (Micro-8M)

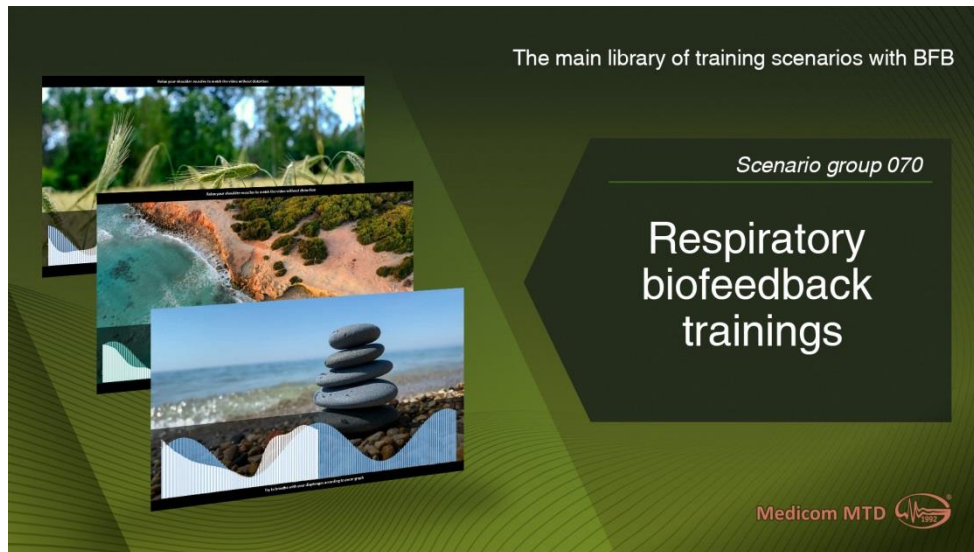
Used in scenarios 0600_10, 0602_10, 0602_11

**A_4031-3. EEG Bipolar Lead (Micro-8)**

With N electrode and cup adhesive electrodes

Used in scenarios 0601_20, 0601_22, 0601_30, 0601_32, 0604_10, 0611_10, 0612_10, 0612_11, 0627_10





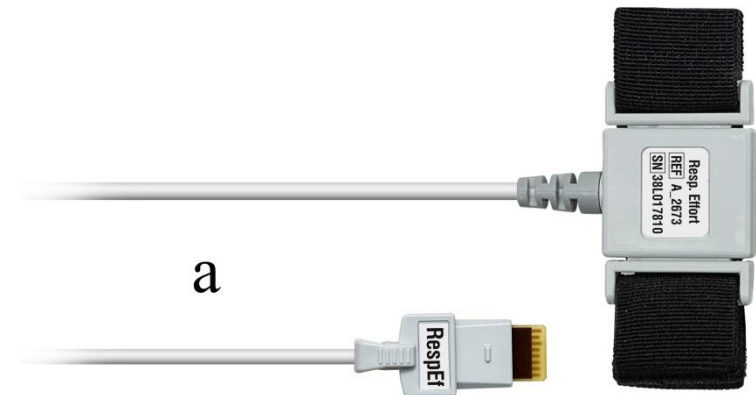
They are aimed at the formation and consolidation of the skill of diaphragmatic relaxation breathing in order to improve lung ventilation, normalize the vegetative balance of the nervous regulation of the body and achieve mental relaxation of the client.

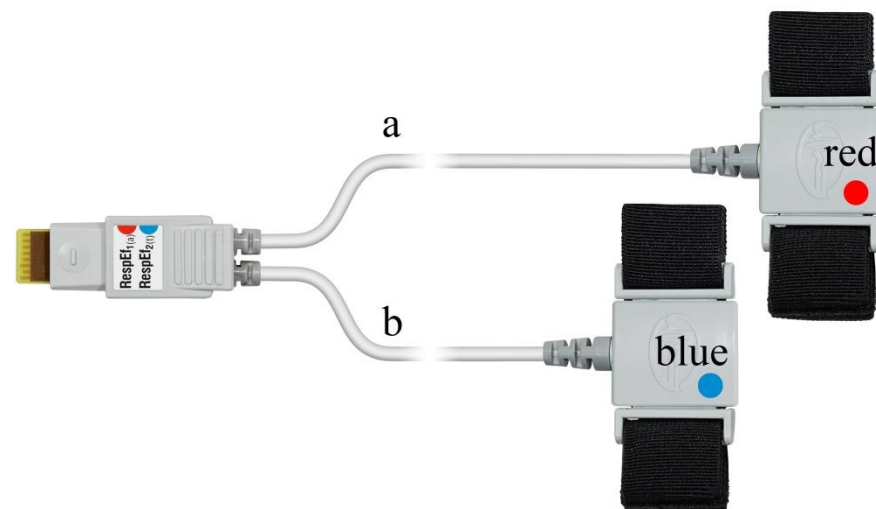
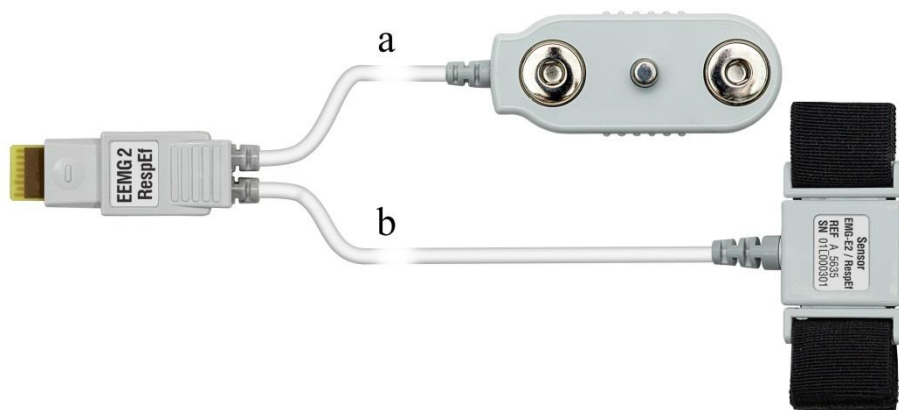
Includes trainings:

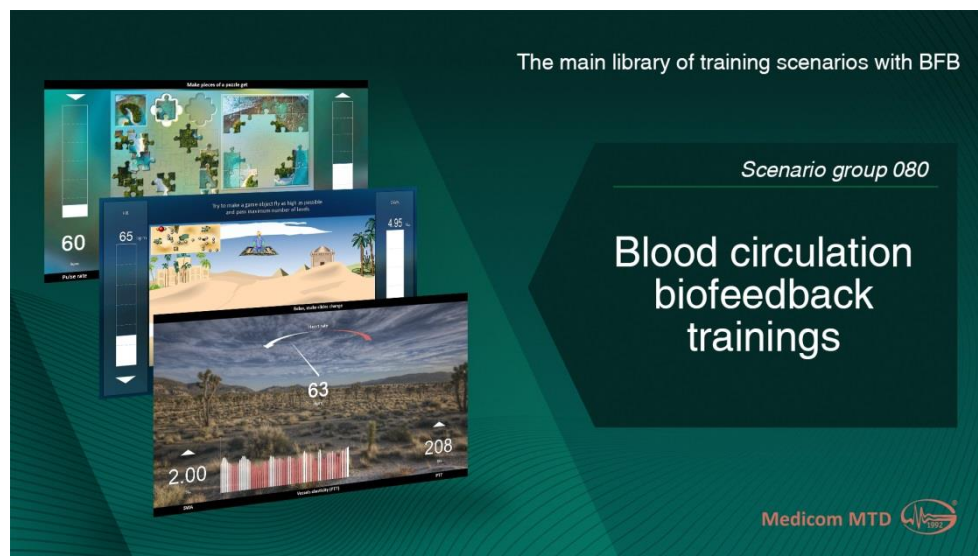
- 0711_10 – Respiratory introduction training.
- 0704_10 – Diaphragmatic breathing training for relaxation.
- 0706_10 – Diaphragmatic breathing training with muscle relaxation.

A_2673-3. RespEf Sensor (Micro-8)

Used in a scenario 0711_10



A_5689. RespEf/RespEf Sensor (Micro-8M)Used in a scenario **0704_10****A_5635. EEMG2/RespEf Sensor (Micro-8M)**Used in a scenario **0706_10**



They are aimed at mastering relaxation skills using peripheral blood circulation indicators, as well as improving pulse blood filling and reducing the tone of the main arteries.

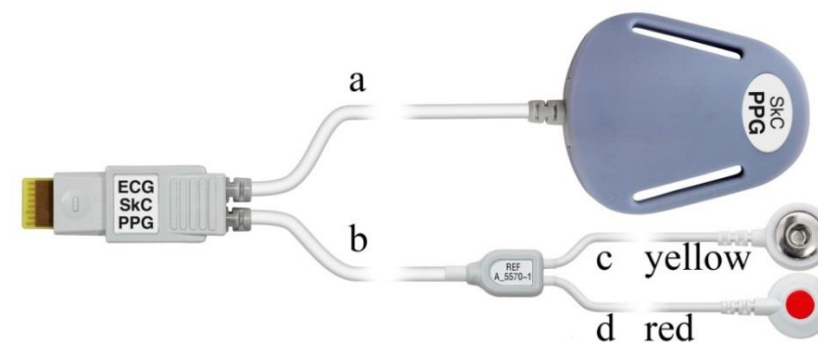
Includes trainings:

- 0802_10 – Blood circulation parameters introductory training.
- 0805_10 – Pulse transit time regulation training.
- 0806_10 – Blood circulation regulation training with pulse wave amplitude and pulse rate control.

A_5570-1. ECG/SkC/PPG* Sensor (Micro-8M) is connected to ABP-2

(SkC sensor is not used)

Used in scenarios **0802_10** and **0805_10**



A_5430-1. SkC/PPG* Sensor (Micro-8M)

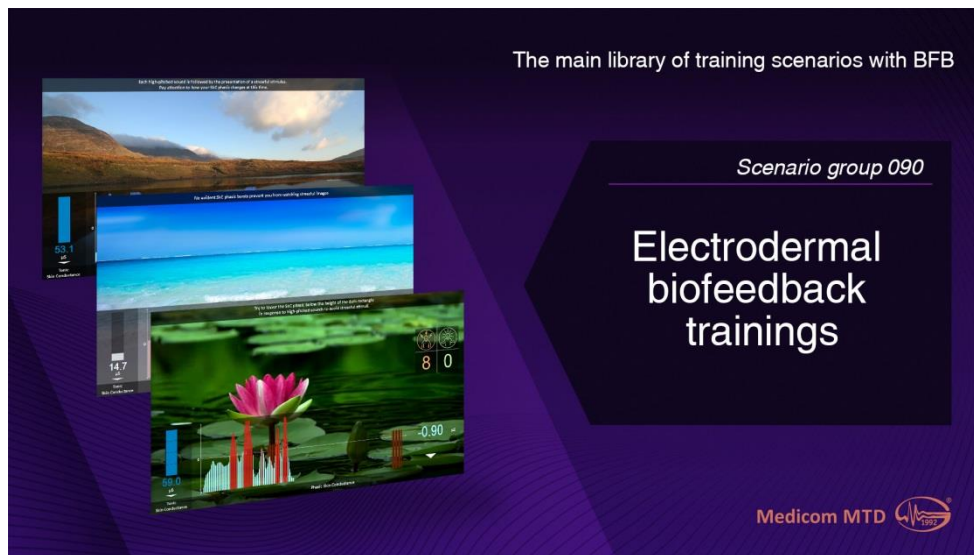
(SkC sensor is not used)

Used in a scenario **0806_10**



5.1.7

B_0779

Group 090. Electrodermal biofeedback trainings

Indicated to people with anxiety-phobic symptoms, to improve mental adaptation, to increase a person's mental stability to various stressful factors. They can also be used to overcome internal mental tension, feelings of indefinite anxiety and unreasonable fear. Trainings can be used by practically healthy people whose activities take place in conditions of increased responsibility, lack of time, and probable danger.

Includes trainings:

- 0906_10 – Stress resistance training with skin conductance control.
- 0907_10 – Training of the psychoemotional state with skin conductance control.

A_5430-1. SkC/PPG* Sensor (Micro-8M) (PPG is not used)

Used in scenarios 0906_10 and 0907_10



Training groups of “REHACOR” with BFB SW, additionally supplied to the main library.

Each group is supplied with the necessary set of sensors. Some trainings use sensors from the main library set (B_0777)

6.

Attention! it is necessary to purchase separately:

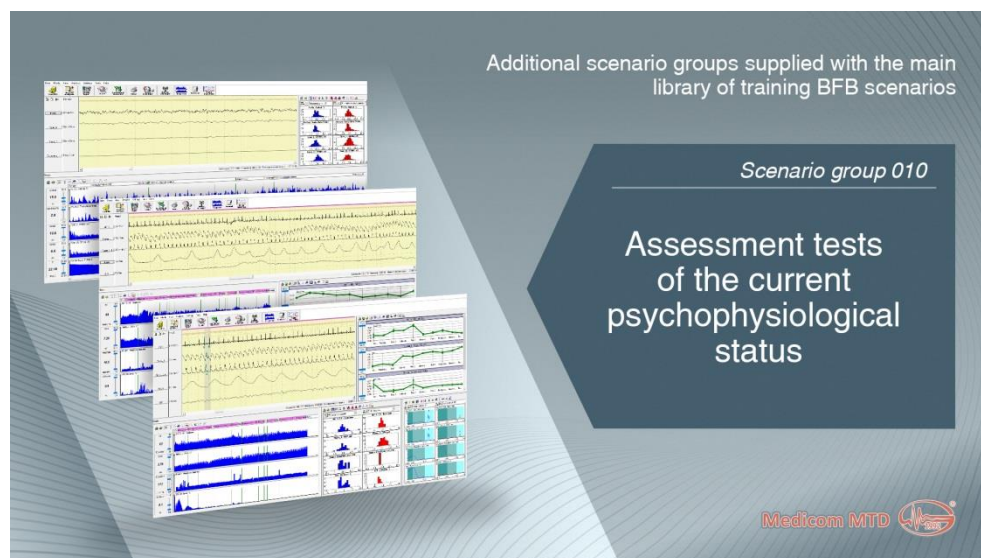
- **A_2129. Adhesive paste Unipaste** (3.4) for adhesive cup electrodes (120 gr.);
- **A_1302. Adhesive plaster OMNIFIX** elastic or similar (3.5) for fixing electrodes and sensors. Size 10 m x 5 cm;
- **A_2714. Disposable ECG Electrodes** (3.6) used for recording ECG, EMG, EOG, in a package of 100 pcs.

6.1

B_0780

Group 010. Assessment tests of the current psychophysiological status

The sensor set for the group includes the following sensors: A_5636, A_5570-4.



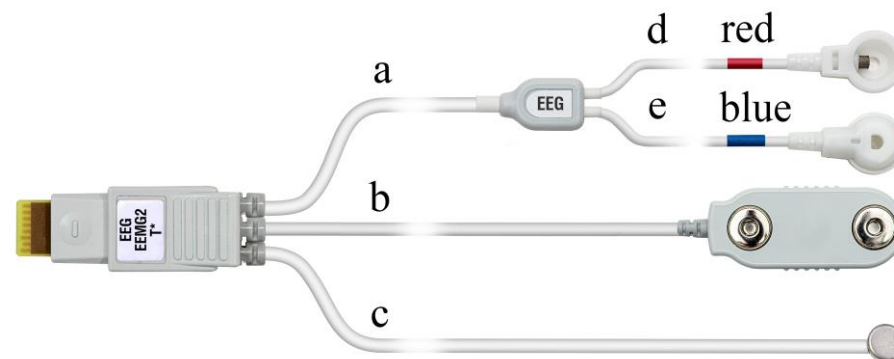
The results of assessment tests at the beginning of the process of learning self-regulation skills can be used to select or refine the types of training courses for the client. At the end of the course, testing can be conducted to assess the success of the training.

Includes trainings:

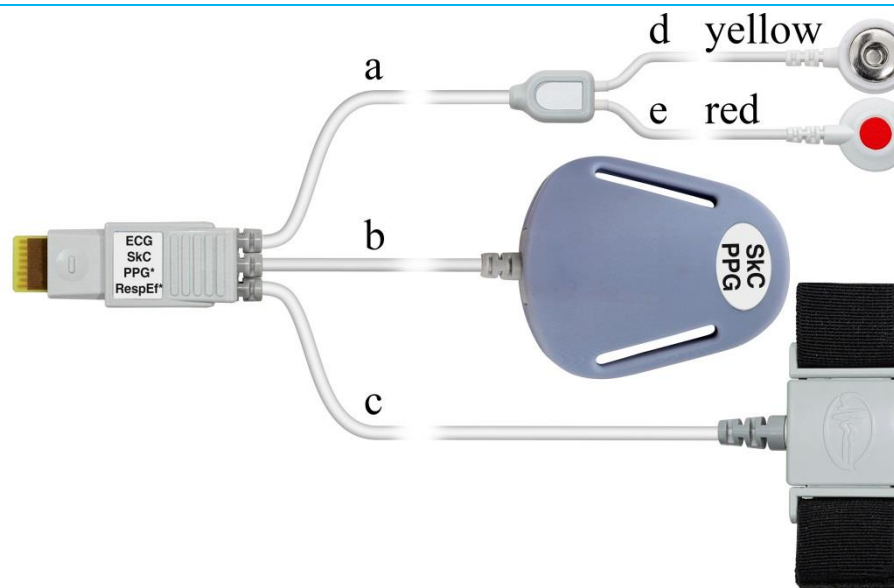
- **0103_10** – Assessment of current psychophysiological status PPS-2.
- **0102_20** – Assessment of current psychophysiological status PPS-1 with the presence SkC.
- **0113_10** – Stress testing ST-2.
- **0112_20** – Stress testing ST-1 with the presence SkC.

A_5636. EEG/EEMG2/T* Sensor (Micro-8M)

Used in scenarios 0103_10 и 0113_10

**A_5570-4. ECG/SkC/PPG*+RespEf* Sensor (Micro-8M)**

Used in scenarios 0102_20 и 0112_20

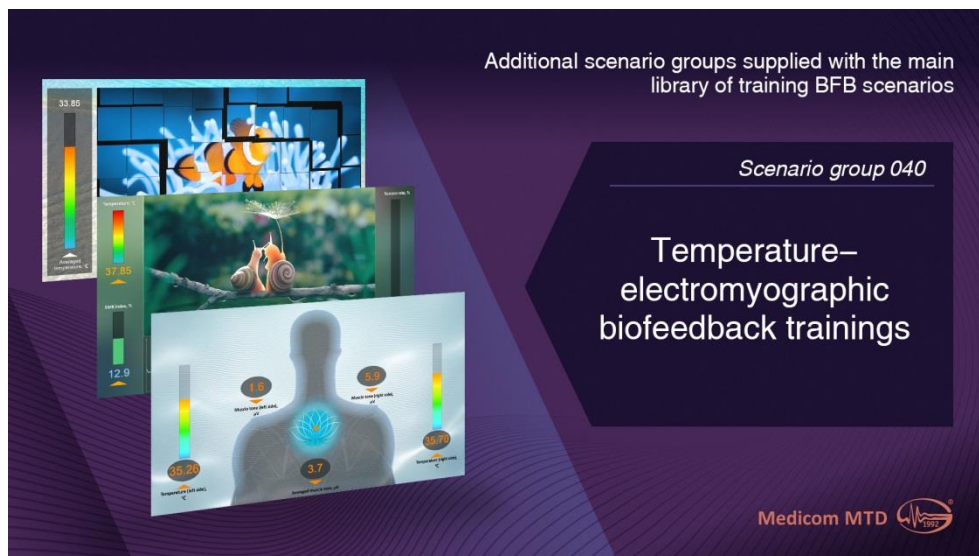


6.2

B_0781

Group 040. Temperature-electromyographic biofeedback trainings

The sensor set for the group includes the following sensors: A_6063, A_9186, A_9544, A_5575-2



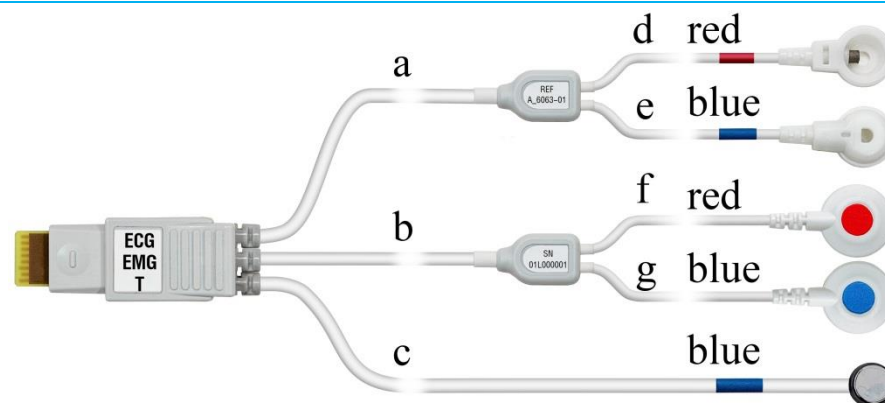
Trainings are used to reduce general and psychoemotional tension, as well as to reduce the threshold of sensitivity to stressful influences by training to normalize excessive muscle tension and improve peripheral blood circulation with temperature control. Trainings are designed to strengthen the client's general relaxation skill by simultaneously relaxing various muscle groups and increasing the temperature of the hands.

Includes trainings:

- 0401_10 – Multimodal relaxation training with muscle tone, temperature and sensorimotor rhythm control.
- 0403_10 – Relaxation with muscle tone and temperature control.
- 0405_20 – Relaxation with muscle tone and two temperature channels control (variant 2).
- 0406_10 – Relaxation training with two channels of muscle tone and two temperature channels control.

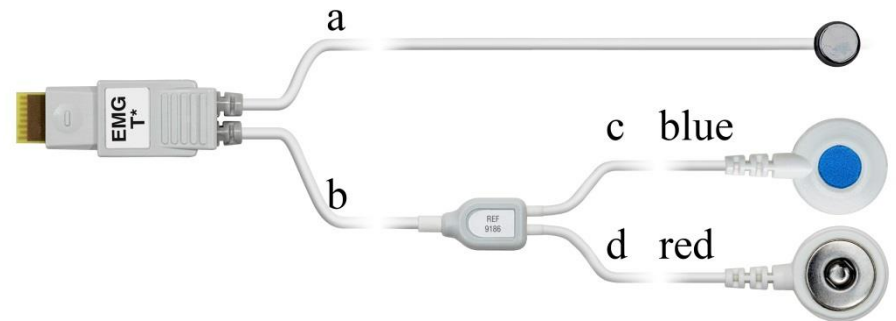
A_6063. EEG/EMG/T* Sensor (Micro-8M)

Used in a scenario 0401_10

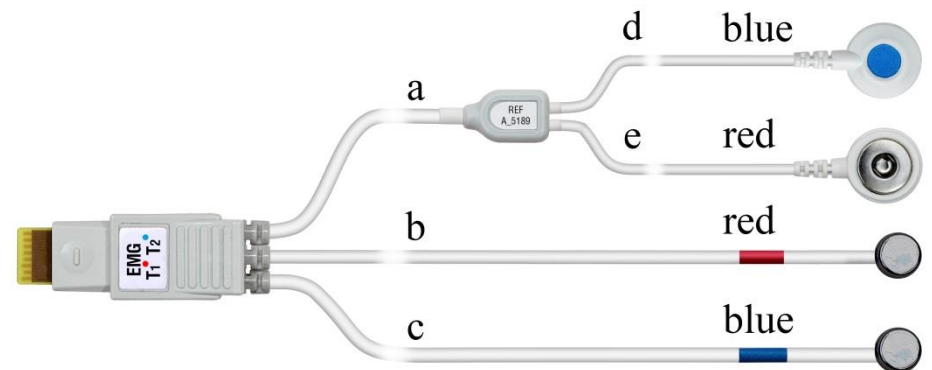


A_9186-0. EMG/T* Sensor (Micro-8M)

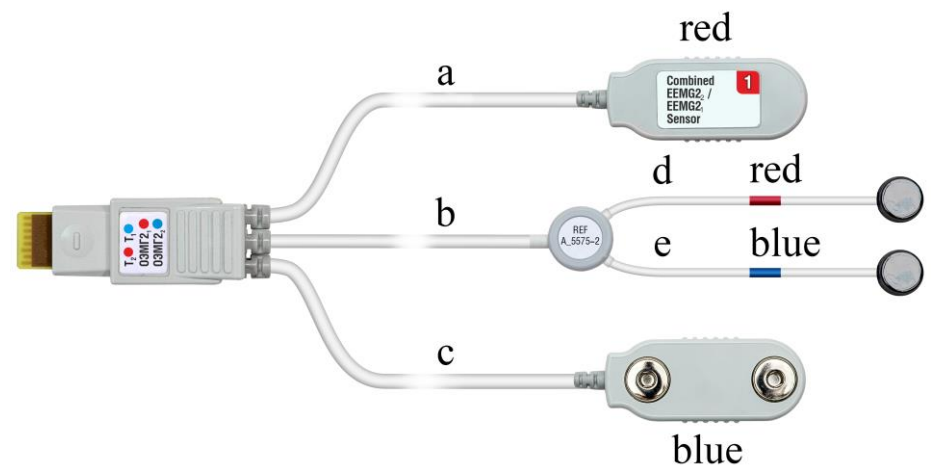
Used in a scenario 0403_10

**A_5189. EMG/T*/T* Sensor (Micro-8M)**

Used in a scenario 0405_20

**A_5575-2. EEMG2/EEMG2+T*+T* Sensor (Micro-8M)**

Used in a scenario 0406_10

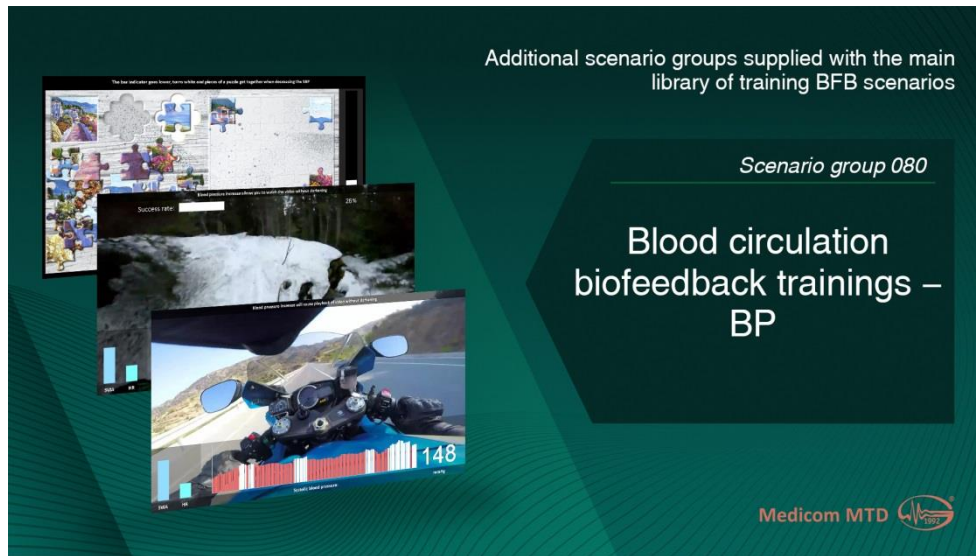


6.3

B_0778

Group 080. Blood circulation biofeedback trainings - BP

Trainings use a sensor from the main set of training scenarios: A_5570-1



The main purpose of the trainings of this group is to increase peripheral blood flow and decrease arterial tone, which is characteristic of a relaxed state of a person and contributes to the normalization (reduction) of blood pressure.

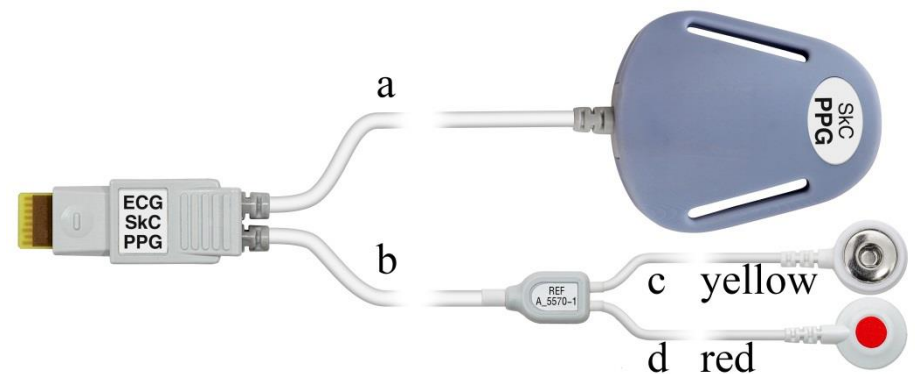
A_5570-1. ECG/SkC/PPG* Sensor (Micro-8M) is connected to ABP-2 (SkC sensor is not used)

Included in the main library of training scenarios.

Used in all scenarios of this group

Includes trainings:

- 1801_10 – Blood pressure introductory training.
- 1802_10 – Blood pressure decrease training (variant 1).
- 1802_11 – Blood pressure decrease training (variant 2).
- 1803_10 – Blood pressure increase training.

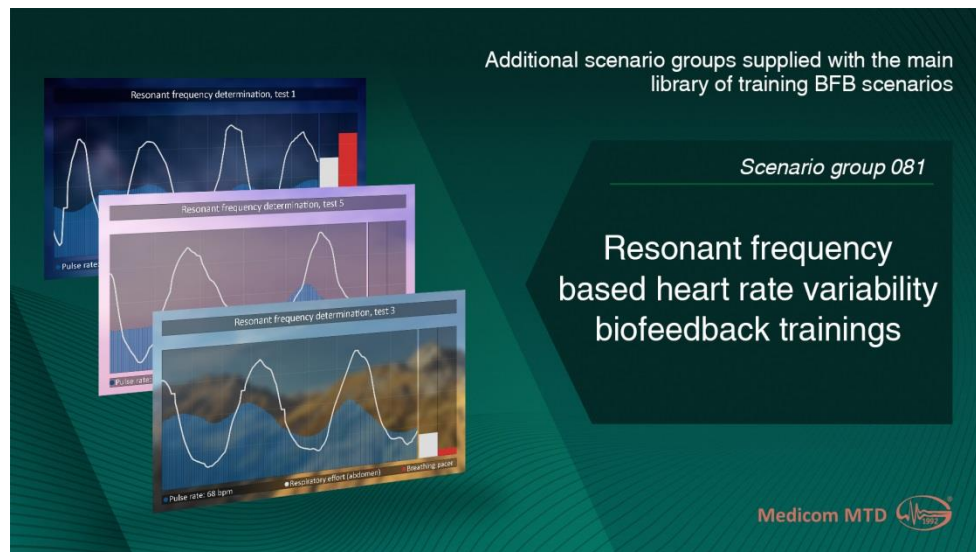


6.4

B_0782

Group 081. Resonant frequency based heart rate variability biofeedback trainings

Trainings use a sensor from the main set of training scenarios: A_5430-2



Designed to increase HRV in order to normalize the balance of the ANS, prevention and protection from the effects of stress and psycho-emotional stress. They allow a customer to determine the individual respiratory rate that causes cardiorespiratory resonance (CRR) to maximize respiratory sinus arrhythmia (RSA) and conduct individualized HRV training sessions for general state improvement.

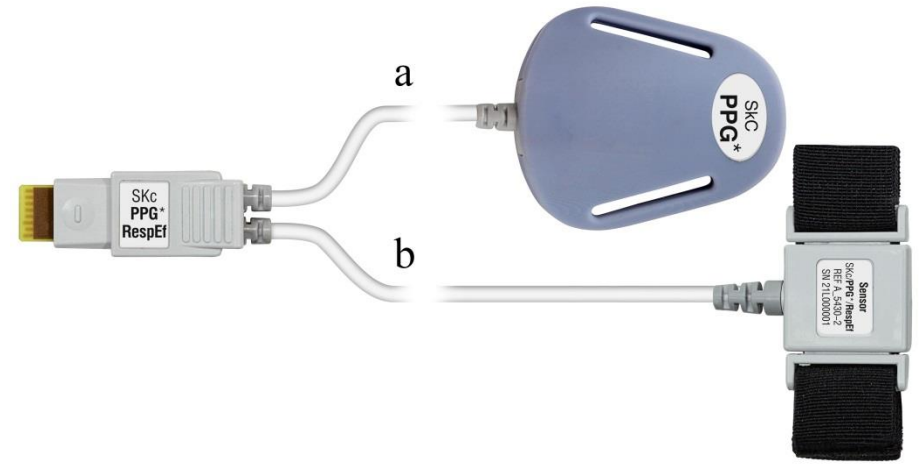
Includes trainings:

- 0820_10 – Heart rate variability training: resonant frequency determination.
- 0820_20 – Heart rate variability training: resonant frequency fine tuning.
- 0820_34 – Heart rate variability training: resonant frequency 6.5/min, **breathing pacer**.
- 0820_33 – Heart rate variability training: resonant frequency 6/min, **breathing pacer**.
- 0820_32 – Heart rate variability training: resonant frequency 5.5/min, **breathing pacer**.
- 0820_31 – Heart rate variability training: resonant frequency 5/min, **breathing pacer**.
- 0820_30 – Heart rate variability training: resonant frequency 4.5/min, **breathing pacer**.
- 0820_44 – Heart rate variability training: resonant frequency 6.5/min, **pulse rate pacer**.
- 0820_43 – Heart rate variability training: resonant frequency 6/min, **pulse rate pacer**.
- 0820_42 – Heart rate variability training: resonant frequency 5.5/min, **pulse rate pacer**.
- 0820_41 – Heart rate variability training: resonant frequency 5/min, **pulse rate pacer**.
- 0820_40 – Heart rate variability training: resonant frequency 4.5/min, **pulse rate pacer**.

A_5430-2. SkC/PPG*+RespEf Sensor (Micro-8M)
(SkC sensor is not used)

Included in the main library of training scenarios.

Used in all scenarios of this group

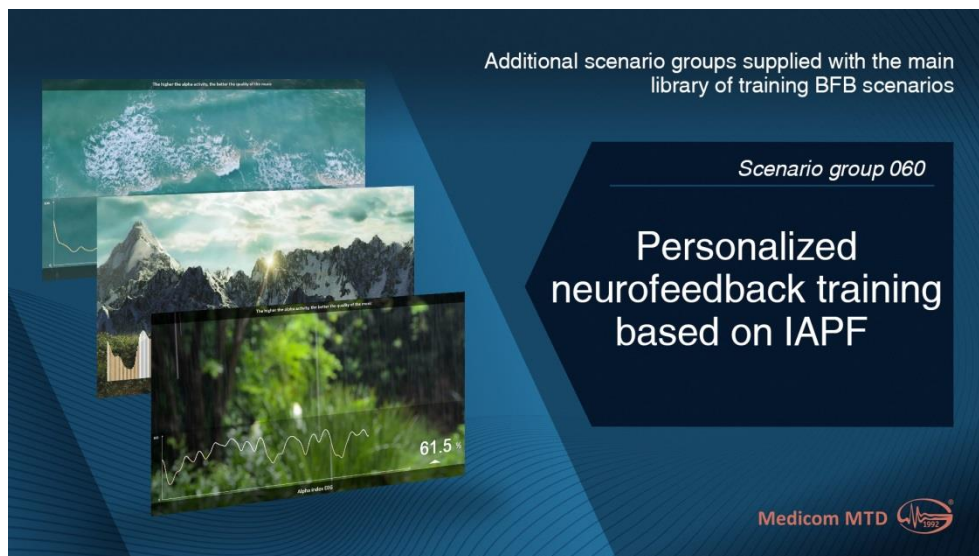


6.5

B_0776

Group 060. Personalized neurofeedback training based on IAPF (individual Alpha Peak Frequency)

Trainings use a sensor from the main set of training scenarios: A_4031-3



They are indicated to increase psychological resistance when exposed to stressful factors, sleep disorders, headaches, to reduce negative emotional background and acquire self-regulation and relaxation skills. In order to increase the success of trainings, the personification of alpha trainings is used, based on the determination of the individual frequency of the alpha peak of the client's alpha rhythm (ICAP).

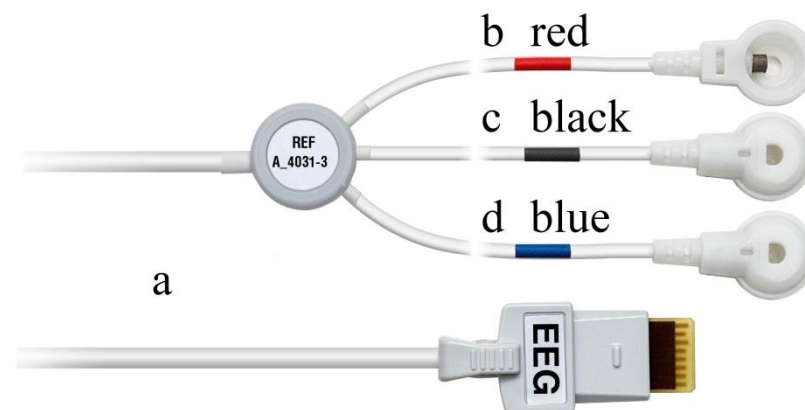
Includes trainings:

- 0603_10 – Determination of individual alpha peak frequency.
- 0603_21 – Personalized alpha training with closed eyes, the first level of difficulty (variant 1).
- 0603_22 – Personalized alpha training with closed eyes, the first level of difficulty (variant 2).
- 0603_23 – Personalized alpha training with closed eyes, the second level of difficulty (variant 1).
- 0603_24 – Personalized alpha training with closed eyes, the second level of difficulty (variant 2).
- 0603_31 – Personalized alpha training with open eyes, the first level of difficulty (variant 1).
- 0603_32 – Personalized alpha training with open eyes, the first level of difficulty (variant 2).
- 0603_33 – Personalized alpha training with open eyes, the second level of difficulty (variant 1).
- 0603_34 – Personalized alpha training with open eyes, the second level of difficulty (variant 2).

A_4031-3. EEG Bipolar Lead (Micro-8) (with N electrode and cup adhesive electrodes)

Included in the main library of training scenarios.

Used in all scenarios of this group



Group 230. BFB trainings with EEG coherence

The sensor set for the group includes a sensor A_5577 EEG/EEG (Micro-8M).



The BFB trainings of this group are designed to regulate the values of EEG coherence - "functional connectivity" between the pairs of EEG derivations selected by the instructor in a certain frequency range of the EEG to bring it to an optimal level that takes into account the recommended normative values of coherence based on carried out functional tests and literature data. Before conducting the training, the instructor must select pairs of EEG derivations and the EEG frequency range for the subject based on previously conducted functional studies and enter these data in the panel on the instructor's monitor.

Trainings can be used for teaching children reading and writing skills, for autism spectrum disorders, mental retardation, anxiety, neuroses, depressive disorders.

For healthy people, BFB trainings are carried out in order to increase the success of performing various cognitive or motor tasks, as well as to reduce negative manifestations in various functional disorders of the central nervous system.

The instructor can select trainings to increase or decrease coherence or sign-changing trainings which differ from each other in different content of audio (tempo, melody) and visual (playback speed) feedback images, which can help the client to achieve the target settings.

Includes trainings:

for EEG coherence increase:

- 2300_10 – "Coherence increase. Recommended content for the full range of 0.5-35 Hz".
- 2310_10 – "Coherence increase. Recommended content for the delta rhythm range".
- 2320_10 – "Coherence increase. Recommended content for the theta rhythm range".
- 2330_10 – "Coherence increase. Recommended content for the alpha rhythm range".
- 2360_10 – "Coherence increase. Recommended content for the SMR range".
- 2340_10 – "Coherence increase. Recommended content for the beta1 rhythm range".
- 2350_10 – "Coherence increase. Recommended content for the beta2 rhythm range".

for EEG coherence decrease:

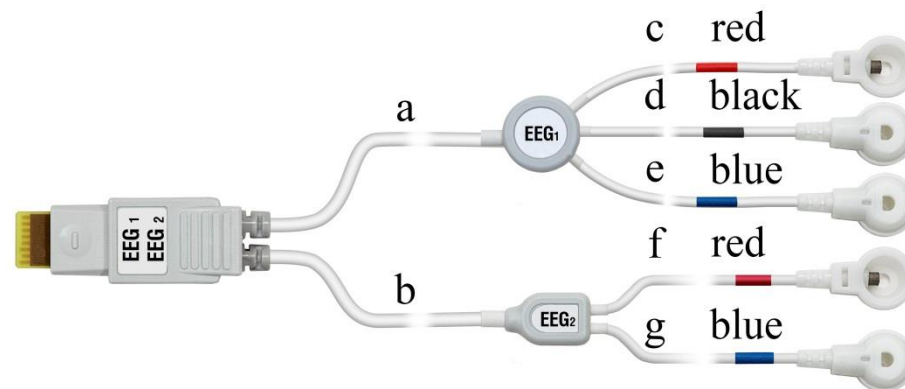
- 2300_20 – "Coherence decrease. Recommended content for the full range of 0.5-35 Hz".
- 2310_20 – "Coherence decrease. Recommended content for the delta rhythm range".
- 2320_20 – "Coherence decrease. Recommended content for the theta rhythm range".
- 2330_20 – "Coherence decrease. Recommended content for the alpha rhythm range".
- 2360_20 – "Coherence decrease. Recommended content for the SMR range".
- 2340_20 – "Coherence decrease. Recommended content for the beta1 rhythm range".
- 2350_20 – "Coherence decrease. Recommended content for the beta2 rhythm range".

for bidirectional training of EEG coherence:

- 2300_30 – "Bidirectional coherence training. Recommended content for the full range of 0.5-35 Hz. "

A_5577. EEG/EEG Sensor (Micro-8M)

Used in all scenarios of this group

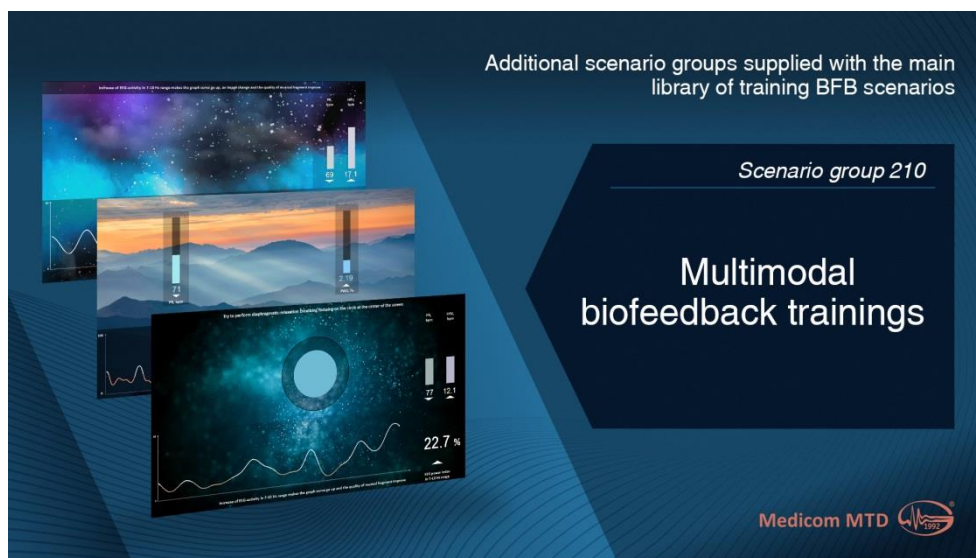


6.7

B_0783

Group 210. Multimodal biofeedback trainings

The sensor set for the group includes the following sensors: A_5430-4, A_8273, A_5430-5, A_5577-1, A_8911



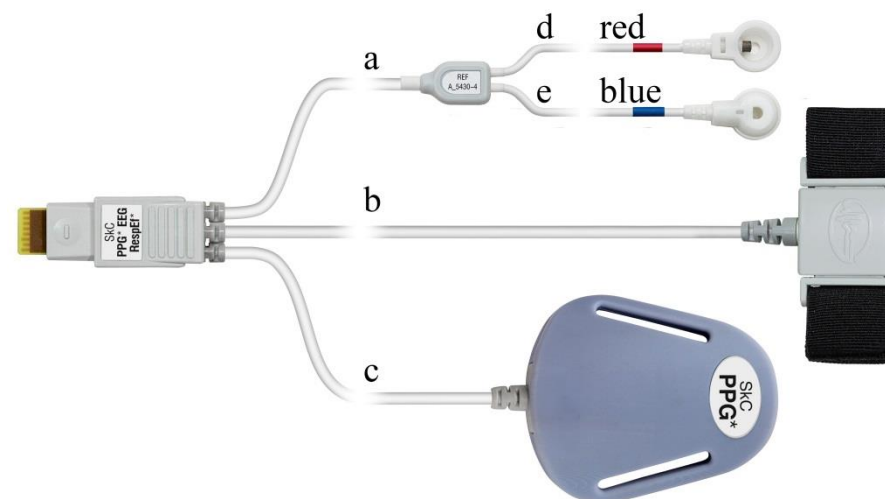
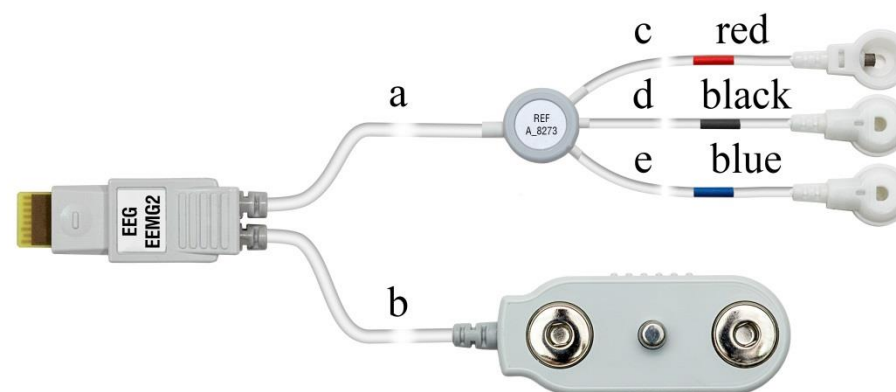
Development of self-regulation skills to increase mental stability, to train relaxation with monitoring of the current psychophysiological state, to deepen the learning process and practice meditation. Train to reduce the signs of increased physiological and psychogenic tremor, it is advisable to use this training in such areas of activity as sports of records and special activities that require high-precision manipulations.

Includes trainings:

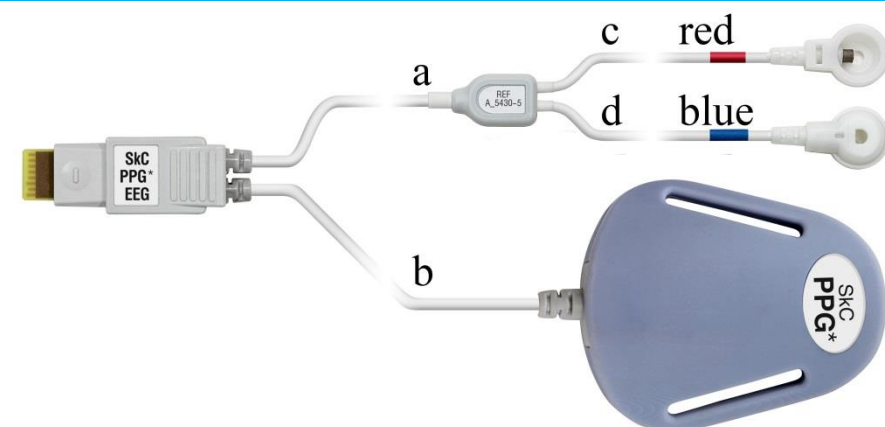
- 0621_11 – Sleep quality improvement multimodal training.
- 0623_10 – Concentration training with beta-rhythm and muscle tone control.
- 0625_10 – Relaxation multimodal training by alpha rhythm, pulse rate and pulse wave amplitude.
- 1030_10 – Brain function asymmetry training against anxiety by two electroencephalographic derivations.
- 2102_10 – Multimodal training for meditation by electroencephalography and cardiorespiratory system parameters.
- 1202_10 – Tremor reduction and motor activity control biofeedback training.

A_5430-4. SkC/PPG*+EEG+RespEf* Sensor (Micro-8M)

(SkC sensor is not used)

Used in scenarios **0621_11** и **2102_10****A_8273. EEG/EEMG2 Sensor (Micro-8M)**Used in a scenario **0623_10****A_5430-5. SkC/PPG*+EEG Sensor (Micro-8M)**

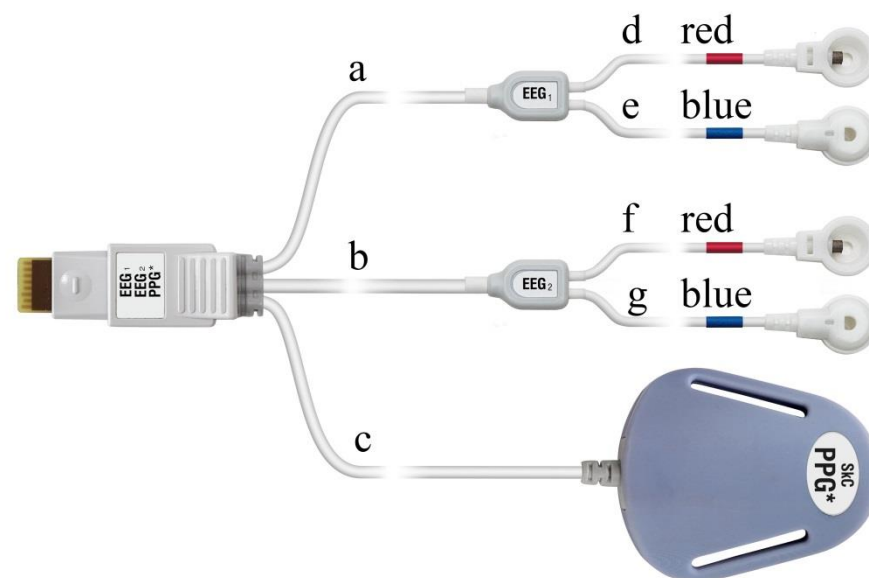
(SkC sensor is not used)

Used in a scenario **0625_10**

A_5577-1. EEG/EEG+PPG* Sensor (Micro-8M)

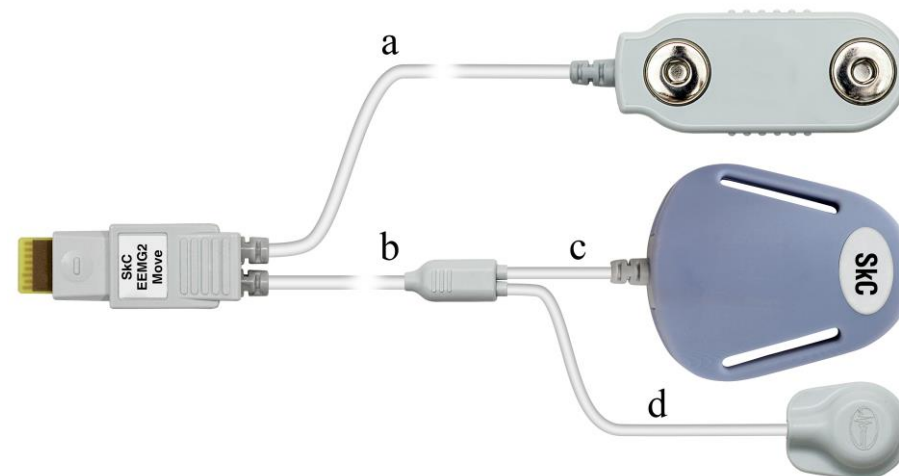
(SkC sensor is not used)

Used in a scenario 1030_10



A_8911. SkC/EEMG2/Move* Sensor (Micro-8M)

Used in a scenario 1202_10

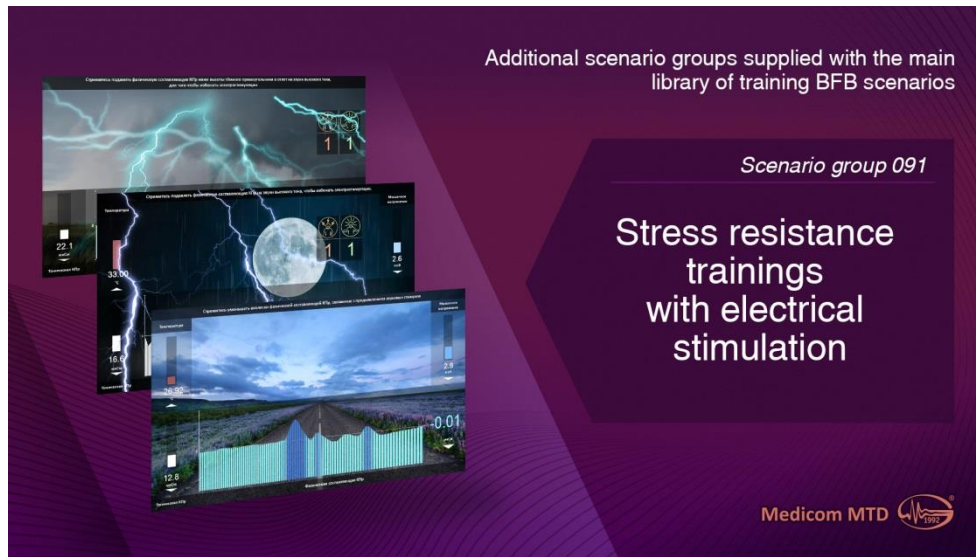


6.8

B_0784

Group 091. Stress resistance trainings with electrical stimulation

The set of sensors for the group includes a SkC/PPG Sensor A_5430-3 and a Module electro-vibrotactile (MEV) A_7045. The trainings also use a sensor from the set of the main library of training scenarios: A_5430-1



Trainings are indicated for functional and training regulation in order to improve mental adaptation, increase a person's mental stability to various stressful factors. Trainings are also effective for overcoming internal psychological tension, feelings of indefinite anxiety and unreasonable fear. Trainings can be used by practically healthy people whose activities take place in conditions of increased responsibility, lack of time, and probable danger.

Includes trainings:

- 0903_10 – Stress resistance improvement training with electrical stimulation by skin conductance, electromyogram, temperature.
- 0904_10 – Stress resistance improvement training with electrical stimulation by skin conductance.

A_7045. Module electro-vibrotactile (MEV)

Used in conjunction with the ABP-2 unit (and the connected sensor) in scenarios **0903_10** and **0904_10**

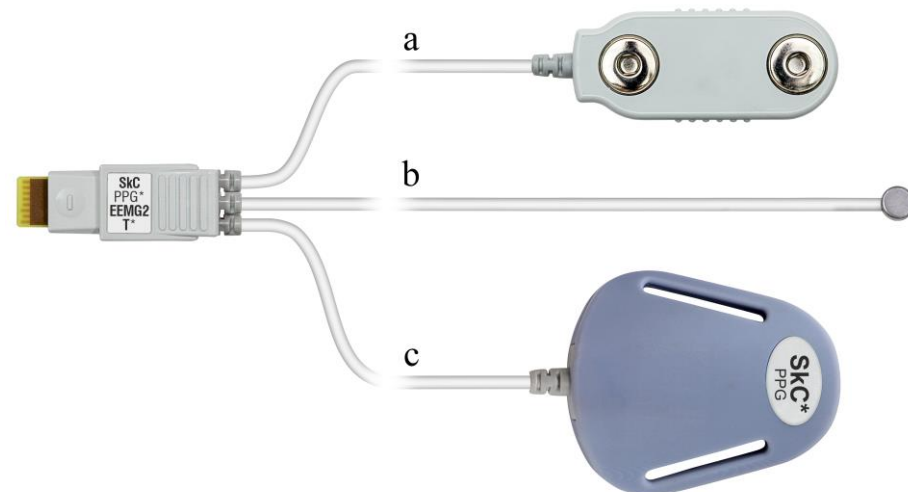
Includes a strap on the forearm



A_5430-3. SkC/PPG*+EEMG2+T* Sensor (Micro-8M)

(PPG sensor is not used)

Used in a scenario **0903_10**



A_5430-1. SkC/PPG* Sensor (Micro-8M)

(PPG sensor is not used)

Included in the main library of training scenarios.

Used in a scenario **0904_10**



6.9

B_0785

Group 100. Neurofeedback trainings advanced

The sensor set for the group includes sensors A_5577-2, A_5577-4, A_5577-3, A_8273, A_5430-7.
The training also uses sensors from the set of the main library of training scenarios: A_5577, A_5570-1.
Additional purchase of the Poly-2 unit is required.



It is indicated to increase psychological resistance, develop self-regulation skills, improve the condition with a depression. Trainings are used to improve athletic performance in sport, e.g. shooting (pistol, rifle, bow), as well as in other sports (volleyball, gymnastics, speed skating, chess, etc.) by teaching a specific state of optimal functioning and attention focusing.

Includes trainings:

- 1001_10 – Brain zonal differences training by four electroencephalographic derivations.
- 1010_10 – Brain function asymmetry training with heart rate and skin conductance control.
- 1011_10 – Brain function asymmetry training by four electroencephalographic derivations.
- 1015_10 – Brain function asymmetry training by four electroencephalographic derivations with physiological parameters control.
- 1021_10 – Regulation of slow cortical potentials.
- 0626_10 – Optimal functioning multimodal training.

In all scenarios of the group, the ABP-2 and the Poly-2 units are used together.

A_9878-1. Wireless amplifier unit Poly-2

Attention! The Poly-2 unit is not included in the sales package of this group, an additional purchase of the Poly-2 unit (A_9878) item 2 of this catalogue is required. The set for Poly-2 should include accessories according to clause 2.1.-2.4 of this catalog.

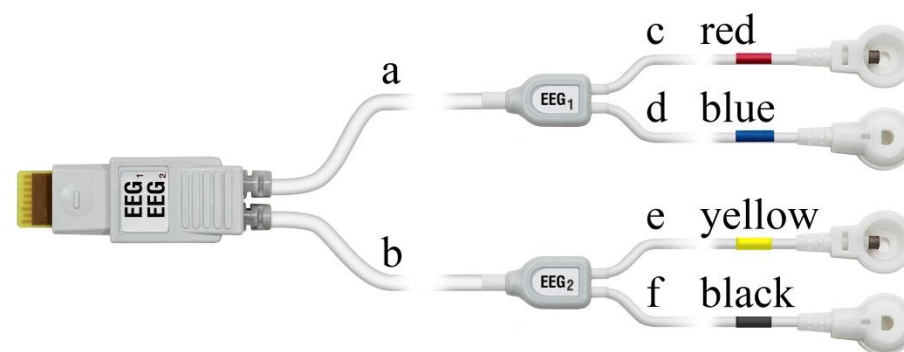
It is used in the trainings of the neurofeedback group and the multiparametric training group, as well as with additional software (if available) "ENCEPHALAN-MPA" for analyzing signals via polygraphic channels together with EEG signals and with software (if available) EEG and EP studies "ENCEPHALAN-AVS" using audiovisual stimulation.



A_5577-2. EEG/EEG Sensor (Micro-8M)

(with a common referent and N electrode)

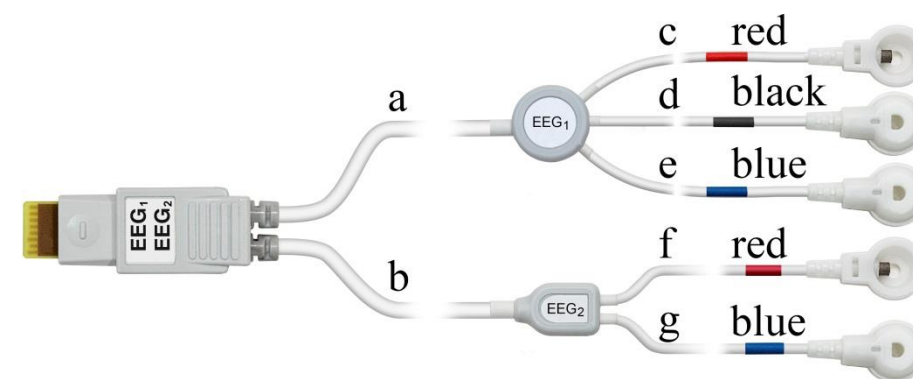
It is required in two copies for sharing with ABP-2 and Poly-2 units in scenarios **1001_10, 1021_10, 1011_10**



A_5577. EEG/EEG Sensor (Micro-8M)

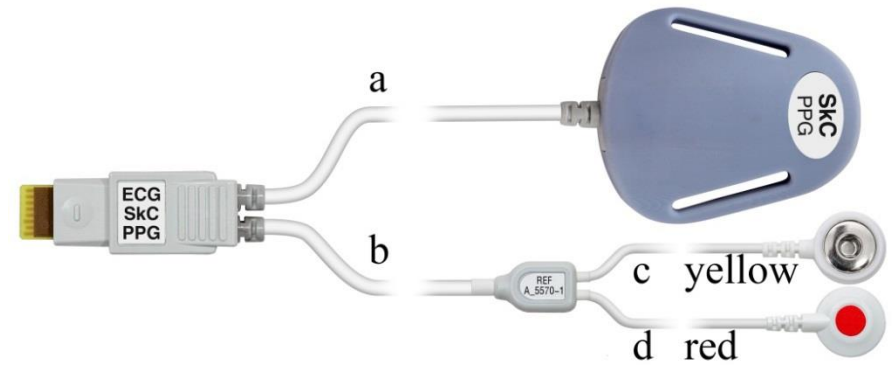
Used in a scenario **1010_10**, it is connected to the ABP-2 unit (together with a combined ECG/SkC/PPG* sensor connected to Poly-2).

Included in the main library of training scenarios.



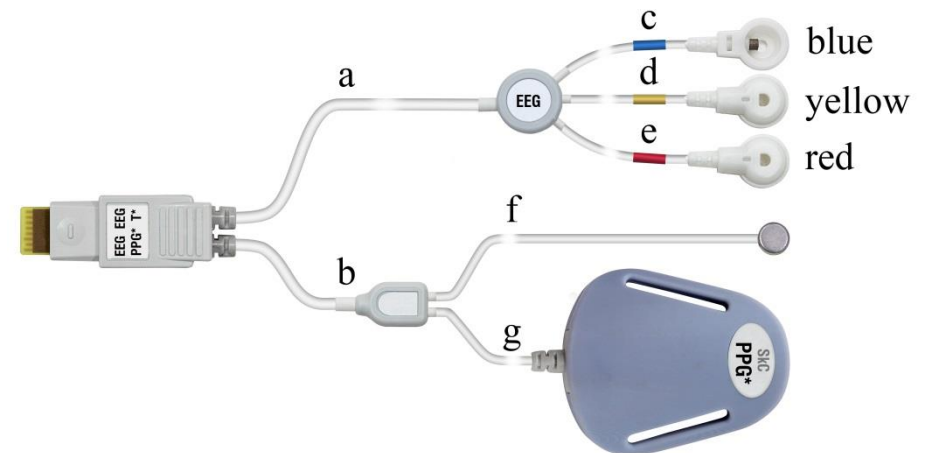
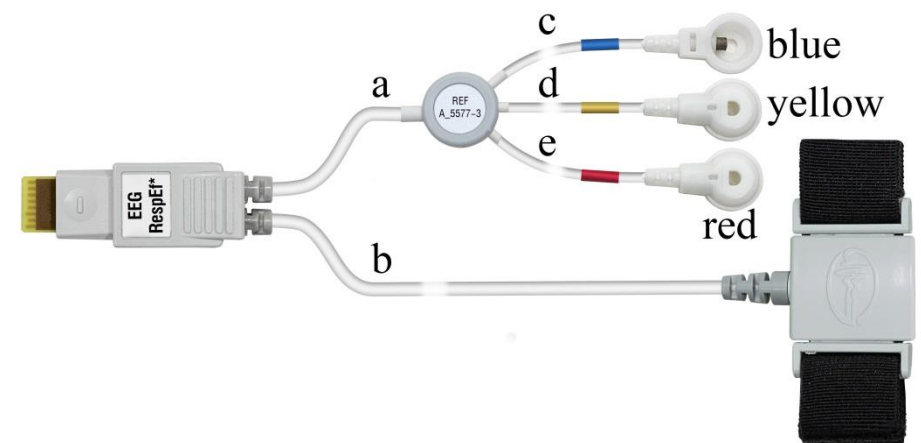
A_5570-1. ECG/SkC/PPG* Sensor (Micro-8M)

(PPG sensor is not used)

Included in the main library of training scenarios.Used in a scenario **1010_10**, is connected to Poly-2 (together with a combined EEG/EEG sensor connected to ABP-2).**A_5577-4. EEG/EEG+PPG*+T* Sensor (Micro-8M)**

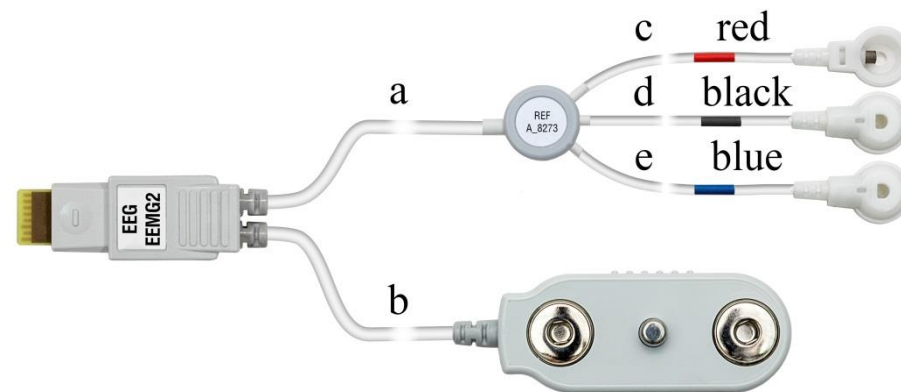
(with common hemispheric referents and additional N electrodes).

(SkC sensor is not used)

Used in a scenario **1015_10**, it is connected to the ABP-2 unit (together with a combined EEG/EEG+RespEf* sensor connected to Poly-2).**A_5577-3. EEG/EEG+RespEf* Sensor (Micro-8M) for Poly-2**Used in a scenario **1015_10**, it is connected to Poly-2 (together with a combined EEG/EEG+PPG*+T* sensor connected to ABP-2).

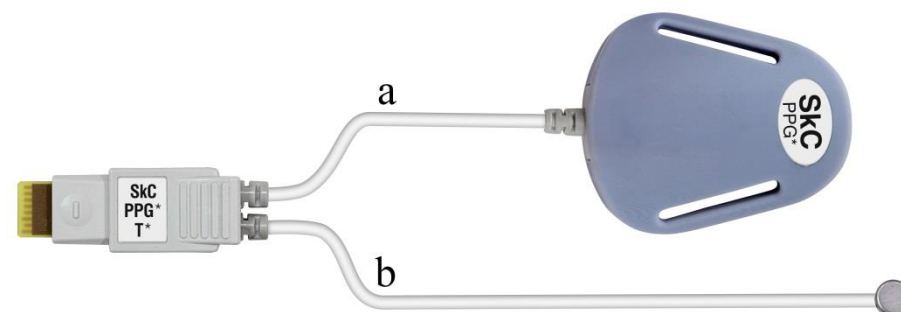
A_8273. EEG/EEMG2 Sensor (Micro-8M)

Used in a scenario **0626_10**, it is connected to the ABP-2 unit (together with a combined SkC/PPG*+T* sensor connected to Poly-2).



A_5430-7. Sensor SkC/PPG*+T* (Micro-8M) (PPG sensor is not used)

it is connected to the Poly-2 (together with a combined EEG/EEMG2 sensor connected to ABP-2 unit).



6.10

B_0786

Group 200. BFB Rhythms

The sensor set for the group includes the following sensor : A_1015



Trainings contribute to the development of brain functions, including the function of timing – processing of time information by the brain. The ability to perceive and reproduce sound patterns of varying complexity is evaluated.

"BFB-Rhythms" trainings contribute to improving the "sense of rhythm" and "sense of time", improving the speed aspects of auditory information processing, increasing the success of cognitive activity and non-drug rehabilitation of various brain dysfunctions.

Includes trainings:

Diagnostic tests:

- 2001_1 – Playing sound patterns.

Biofeedback trainings with the master rhythm:

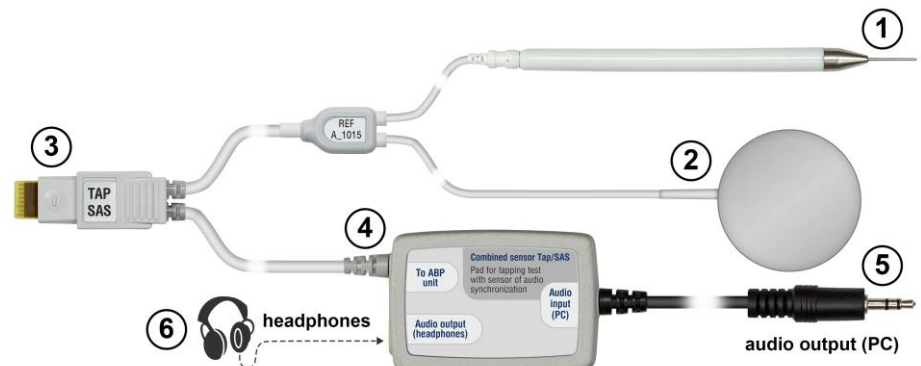
- 2002_1 – Histogram.
- 2002_2 – Wild West.
- 2002_3 – Space pirates.
- 2002_4 – Dexterous monkeys.
- 2002_5 – Fishing.
- 2002_6 – Rabbit in the hat.

Biofeedback trainings using sound patterns:

- 2003_1 – Wild West.
- 2003_2 – Space pirates.
- 2003_3 – Dexterous monkeys.
- 2003_4 – Rabbit in the hat.

A_1015. Sensor Tap/synchronization sensor audio (Micro-8M)

Used in scenarios of this group



6.11

B_0787

Group 300. Biofeedback trainings for children

Trainings use a sensor from the main set of training scenarios: A_4031-3, A_5577, A_5689



The purpose of "Alpha-stimulating trainings" in children is to increase the alpha activity of the brain, which contributes to the development of mental relaxation skills, normalization of the EEG structure. Trainings can be used for various sleep disorders, headaches, ANS disorders, as well as functional disorders of the central nervous system.

The goal of "Cognitive training for children" is to improve cognitive and motor functions, reduce anxiety in psychological disorders, attention deficit hyperactivity disorder (ADHD), as well as with a decrease in the level of arbitrary regulation of attention and behavior.

Special trainings for children are designed to teach the skills of diaphragmatic breathing and the formation of a new respiratory stereotype with the predominance of abdominal breathing over thoracic one.

Includes trainings:

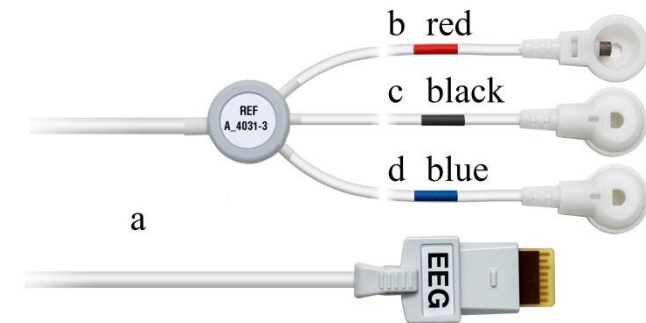
- 0653_10 – Alpha increase for children (1 ch.). Younger age.
- 0653_20 – Alpha increase for children (1 ch.). Older age.
- 0654_10 – Alpha increase for children (2 ch.). Younger age.
- 0654_20 – Alpha increase for children (2 ch.). Older age.
- 0661_10 – Theta decrease for children.
- 0662_10 – Beta/theta training for children (coloring book, puzzle, game).
- 0662_20 – Beta/theta training for children (maze, video).
- 0663_10 – Beta increase for children.
- 0664_10 – SMR regulation for children.
- 0721_20 – Diaphragmatic breathing for children. Older age.
- 0721_10 – Diaphragmatic breathing for children. Younger age.

A_4031-3. EEG Bipolar Lead (Micro-8)

(with N electrode and cup adhesive electrodes)

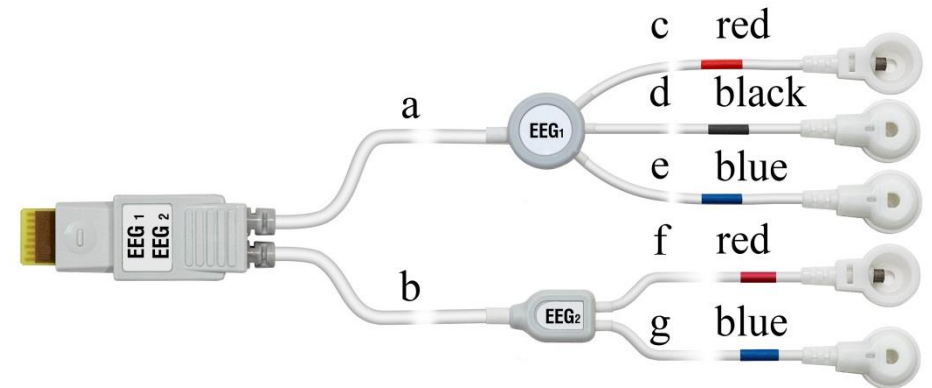
Included in the main library of training scenarios.

Used in scenarios 0653_10, 0653_20, 0661_10, 0662_10, 0662_20, 0663_10, 0664_10

**A_5577. EEG/EEG Sensor (Micro-8M)**

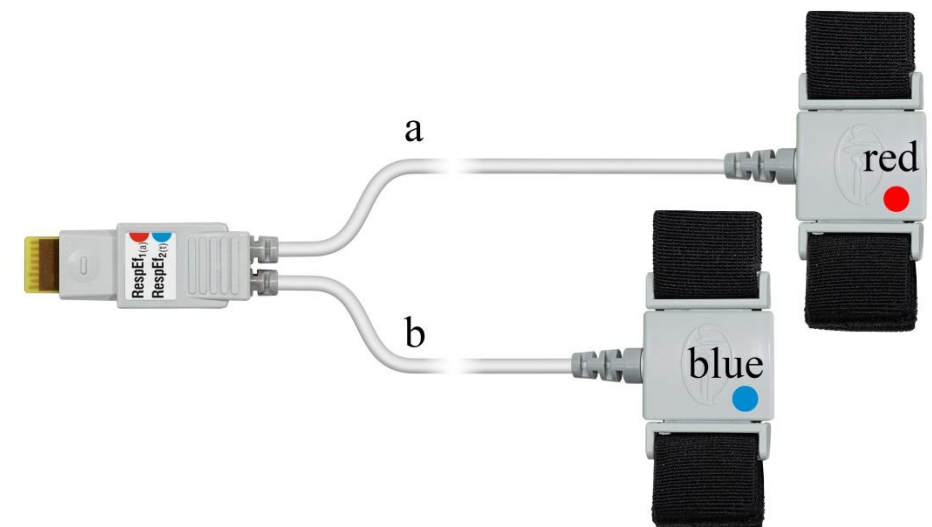
Included in the main library of training scenarios.

Used in scenarios 0654_10 и 0654_20

**A_5689. RespEf/RespEf Sensor (Micro-8M)**

Included in the main library of training scenarios.

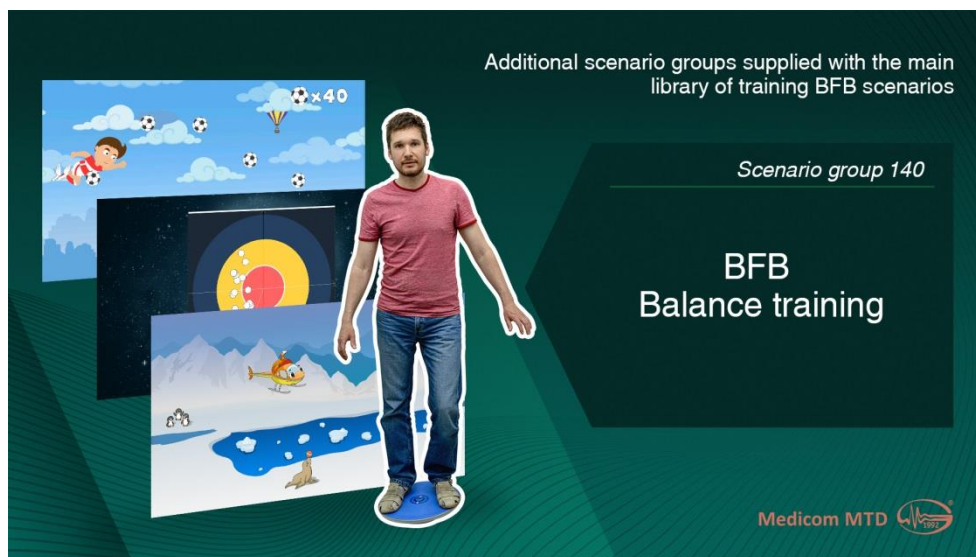
Used in scenarios 0721_20 и 0721_10



B_0788

Group 140. BFB Balance trainings

The set includes: a Wobble platform A_9896



Trainings help to improve the maintenance of vertical posture and strengthen the sense of balance in both children and adults, as well as to improve coordination of movements, strengthen the muscular corset of the spine and leg muscles, increase athletic performance in various sports.

Includes trainings:

Balance training for stability:

- 1405_10 – Image "Target".
- 1405_20 – Image "Graph".
- 1407_10 – Game "Arctic".
- 1407_20 – Game "Jinn".
- 1407_30 – Game "Balloon".
- 1407_40 – Game "Space".
- 1407_50 – Game "Tropics".
- 1407_60 – Game "Underwater World".
- 1408_10 – Game "Ostrich".
- 1410_10 – Game "Mice and cheese".

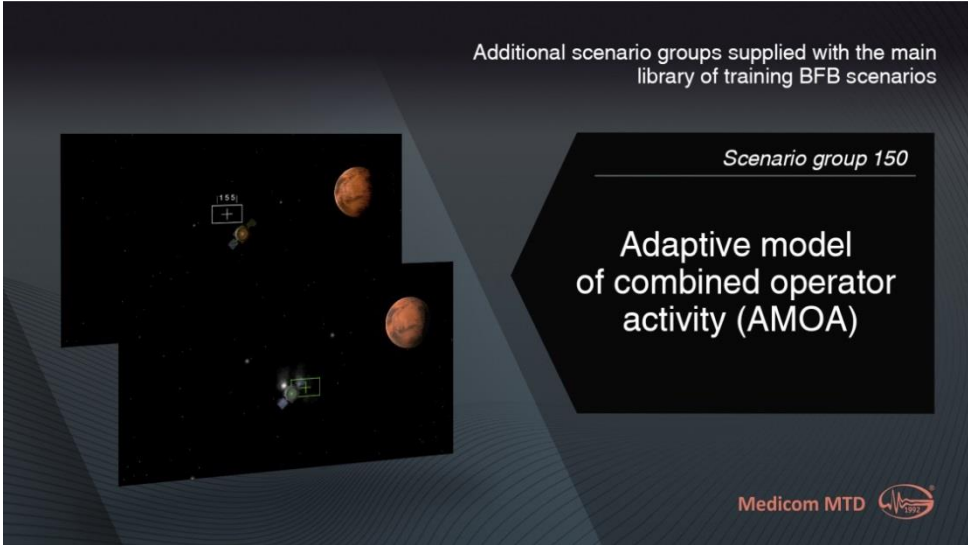
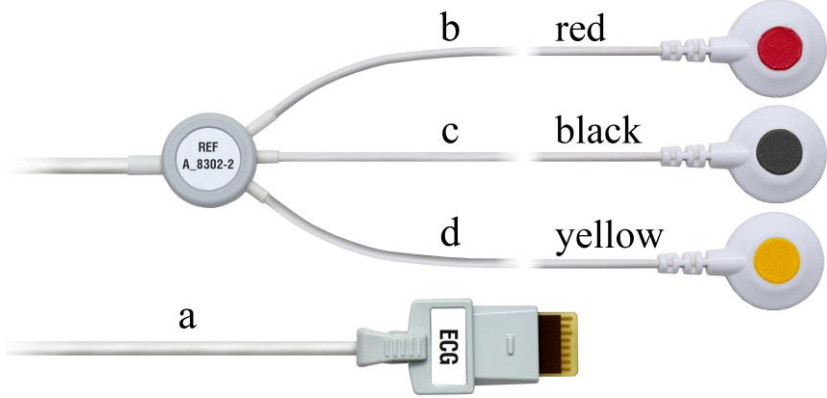
Balance training for the coordination of movement:

- 1406_10 – Game "Vampire" with the balance moving back and forth.
- 1406_11 – Game "Vampire" with the balance moving left-right.
- 1406_20 – Game "Dinosaur World" with the balance moving back and forth.
- 1406_21 – Game "Dinosaur World" with the balance moving left-right.
- 1406_30 – Game "Football player" with the balance moving back and forth.
- 1406_31 – Game "Football player" with the balance moving left-right.

A_9896. Wobble platform

It is used in all BFB scenarios of this group

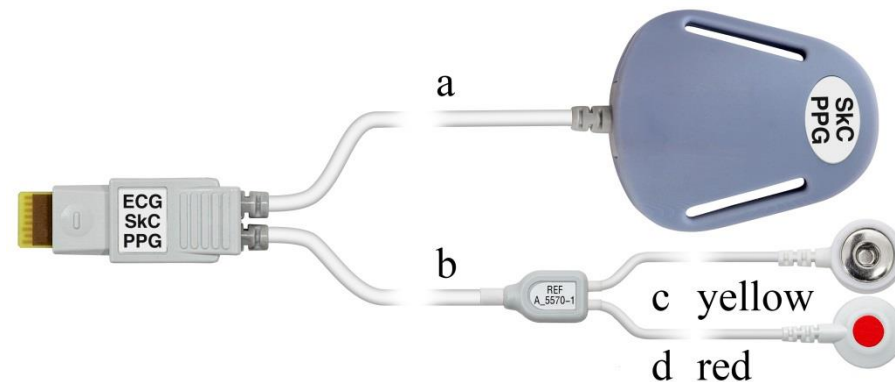


6.13	B_0790	<p>Group 150. Adaptive model of combined operator activity (AMOA)</p> <p>The sensor set for the group includes A_5430-5, as well as a joystick A_5590.</p> <p>The trainings also use a sensor from the set of the main library of training scenarios: A_5570-1, A_8302-2</p>
		<div data-bbox="217 236 1182 783">  </div> <div data-bbox="217 799 1182 986"> <p>The AMOA test is designed to study a person's ability to solve diverse tasks with adaptively variable complexity.</p> <p>Allows you to get estimates of various aspects of the subject's activity, as well as estimates of his functional capabilities – the physiological cost of activity.</p> </div> <div data-bbox="217 1171 1182 1257"> <p>A_8302-2. ECG-Cable (with N electrode) (Micro-8)</p> <p>Used in a scenario 1500_10</p> </div> <div data-bbox="1234 523 2085 699"> <p>Includes trainings:</p> <ul style="list-style-type: none"> • 1500_10 – AMOA training (Satellite, joystick) ECG. • 1511_10 – AMOA (Satellite, joystick) ECG, PPG*, SkC. • 1513_10 – AMOA (Satellite, joystick) EEG, ECG, SkC. </div> <div data-bbox="1261 1018 2085 1417">  </div>

A_5570-1. ECG/SkC/PPG* Sensor (Micro-8M) is connected to ABP-2

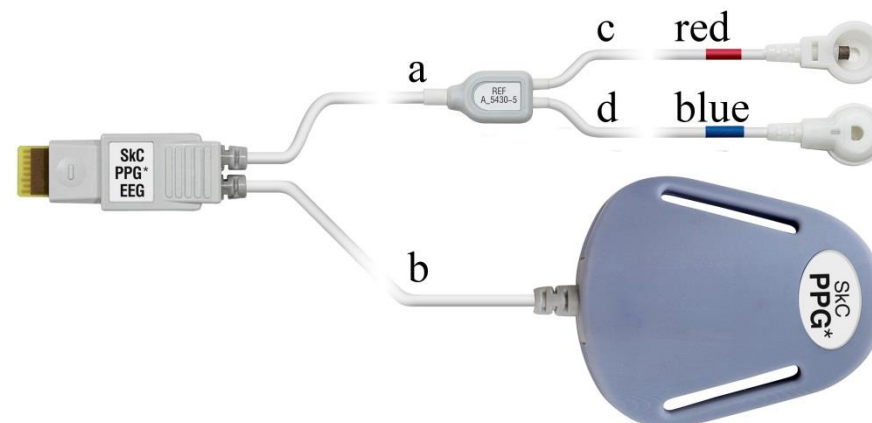
Included in the main library of training scenarios.

Used in scenario 1513_10



A_5430-5. SkC/PPG*+EEG Sensor (Micro-8M)

Used in scenario 1511_10



A_5590. Joystick

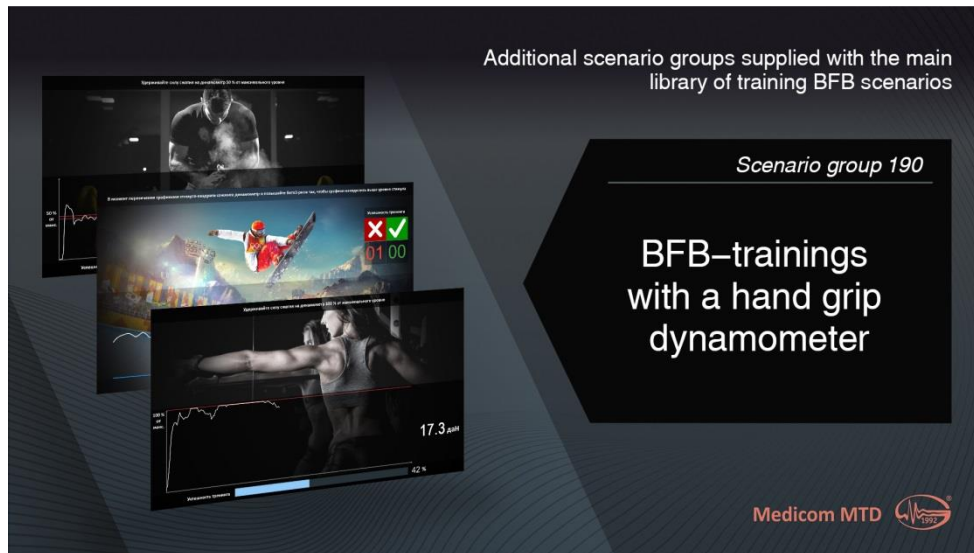


6.14

B_0792

Group 190. BFB-trainings with a hand grip dynamometer

The sensor set for the group includes the following sensors: A_6649-2, A_8224



Development of the skill of muscle sense or "sense of strength", accuracy and differentiation of muscle efforts, as well as strength endurance in static and dynamic modes. The main purpose of ideomotor BFB training is to stimulate the neuroplasticity of the brain to restore motor functions after paralysis, brain injuries and peripheral nerves. Ideomotor training is effectively used to improve motor skills in sports of records, as well as art.

Includes trainings:

- 1901_10 – Static dynamometry 50%.
- 1901_20 – Static dynamometry 75%.
- 1901_30 – Static dynamometry 100%.
- 1902_10 – Dynamic dynamometry 50%.
- 1902_20 – Dynamic dynamometry 75%.
- 1902_30 – Dynamic dynamometry 100%.
- 1904_10 – BFB training with EHGD during interactive game Football Player.
- 1903_10 – Evaluation of differentiation of muscle effort.
- 1903_20 – Muscle effort differentiation training.
- 1903_21 – Muscle effort differentiation training during interactive game.
- 1905_10 – BFB ideomotor training with EHGD and EEG.
- 1905_20 – BFB ideomotor interval training with EHGD and EEG.
- 1904_20 – BFB ideomotor training with EHGD and EEG during interactive game Football Player.
- 1906_10 – BFB ideomotor training with EHGD and EEG during interactive game Mice and Cheese.

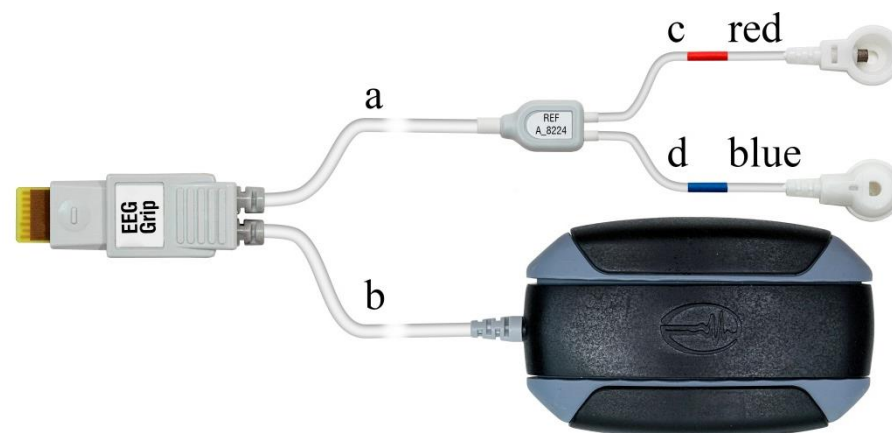
A_6649-2. Muscle Tension Sensor (handgrip)

Used in scenarios 1901_10, 1901_20, 1901_30, 1902_10, 1902_20, 1902_30, 1904_10, 1903_10, 1903_20, 1903_21



A_8224. EEG/HGD* Sensor (Micro-8M)

Used in scenarios 1905_10, 1905_20, 1904_20, 1906_10



B_1298. Software "Efficacy evaluation of BFB trainings"

part of Software for functional biocontrol with biofeedback training "REHACOR"

The software "Efficacy evaluation of BFB trainings" provides an assessment of the effectiveness and success of the BFB training in the processing mode in post-real time, in particular:

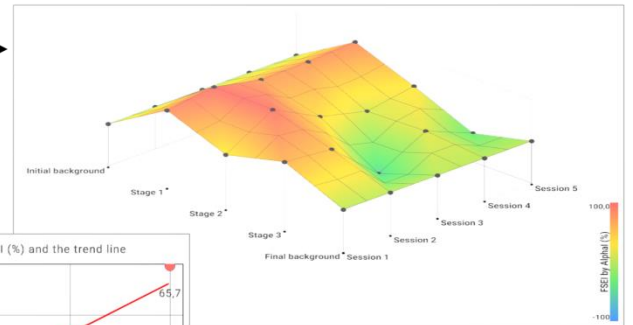
- quantifying the success of each managed stage of the session;
- quantitative assessment of the success of the BFB training session;
- quantitative assessment of the effectiveness of the full course of the conducted BFB trainings.

Monitoring the success of the BFB training is necessary for the instructor to confirm that the goals of the BFB training session are achieved as it progresses or at least tend to achieve the goal. Success control is also needed to be able to timely identify the absence of expected positive results or the appearance of some negative trends in the dynamics of physiological indicators in order to be able to adjust the course of the BFB training.

The effectiveness of the BFB training course as a whole is assessed on the basis of the average success index of all sessions included in this course and the "cumulative effect". The cumulative effect is estimated on the basis of identifying the tendency of accumulating physiological shifts of controlled parameters from session to session and characterizes the severity of long-term modification of the mechanisms of physiological regulation.

The software "Efficacy evaluation of BFB trainings" provides the formation of a verbal report on the course of the BFB training, with the inclusion of two or three-dimensional forms of representations of the results, for example, in the form of graphs for the session, graphs for the course, surface 3D diagrams of the course performance and conclusions on controlled parameters.

FSEI plot on 3D chart in surface mode



Trend line based on the average "Alpha" values of all sessions of the NBBF training course

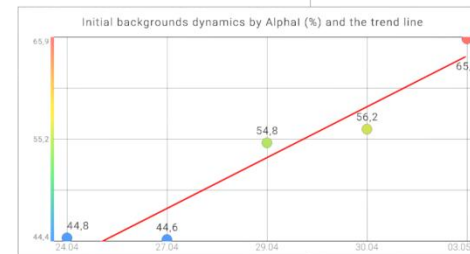
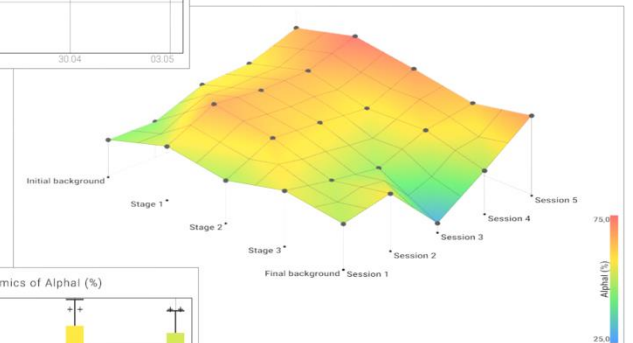


Chart of average CP values on a 3D chart in surface mode



Step-by-step diagram of the range of average "Alpha" values of the session

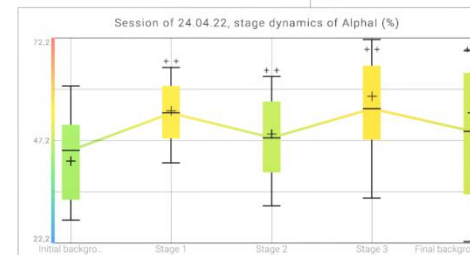
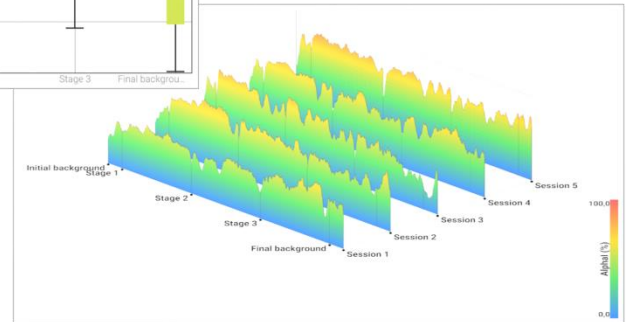


Diagram of smoothed data on a 3D plot in fill mode



7.

Additions that extend the functionality of the execution REHACOR-NEXT

B_1287 Software for objective psychological analysis and testing «EGOSCOP» and a test library, including the following groups:

- multifactorial personality questionnaires;
- interpersonal relationship questionnaires;
- questionnaires of motivational features;
- questionnaires of mental states;
- self-attitude questionnaires;
- temperament questionnaires;
- questionnaires of abilities and values;
- psychophysiological tests;
- cognitive tests;
- projective tests.

The software allows you to expand the library of drawing or text projective techniques, as well as various questionnaire tests.

Additional features for the auto-documentation of the testing process and special processing expand the user's capabilities in terms of an objective assessment of test results and allow the use of calculated statistical information about physiological and pictographic reactions for additional socio-psychological and cognitive-somatic interpretation of the conducted studies.

The list of tests is provided upon request, it is possible to change the composition of tests in agreement with the Customer.

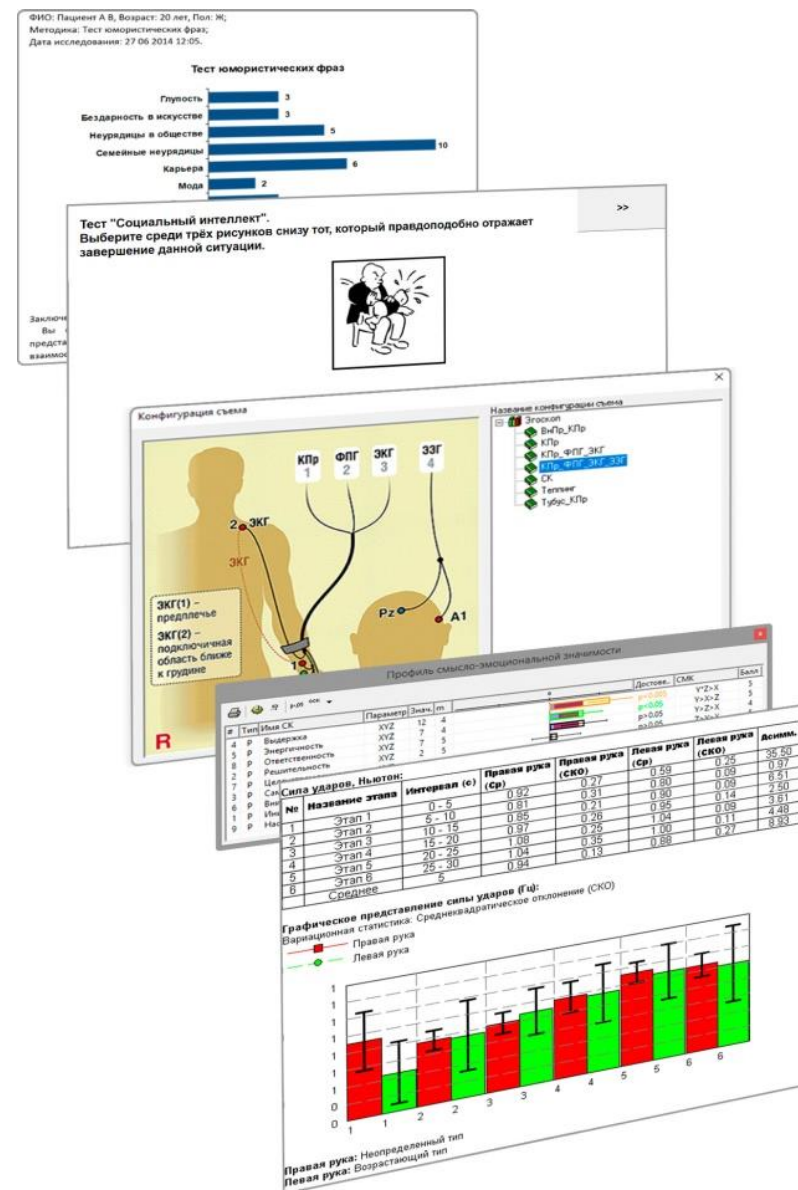
It requires:

- A_4074. Pen Display – electronic tablet Wacom CINTIQ 16 type (purchased individually);
- MS Office as part of the personal computer software.

Additional accessories:

- A_6354. Pad for tapping test and a corresponding test in the library
- A_6423. Oculomotor tubus and a corresponding test in the library

The set includes:

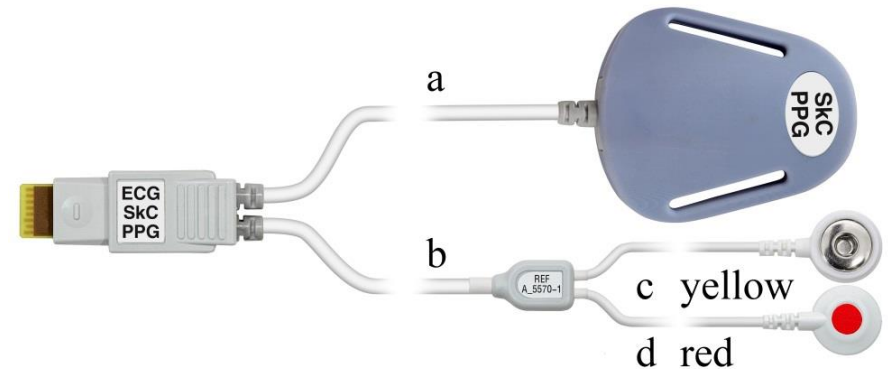


7.1

A_5570-1. SkC/ECG/PPG Sensor (Micro-8M)

to register physiological signals using the ABP-2 unit

SkC, ECG, PPG signals are recorded



7.1.1

A_4074. Pen Display (electronic tablet Wacom CINTIQ 16 type)

It is a device for touch-sensitive accurate graphical input of information.

Connects to a personal computer.

When conducting psychophysiological research and psychological testing, it allows to:

- register pictographic data characterizing the psychomotor activity of the subject;
- produce synchronous auto-documentation of testing information (drawing arbitrary graphic images by the subject, writing words, numbers, etc.) with the parameters of the motor skills of the hand (pressure on the pen, the delay time before drawing graphic images and the delay time before moving to the next stage).
- register the search activity of the subject when performing tests.

Attention: If you purchase it yourself, the type of device must be agreed with MEDICOM MTD Ltd.



7.1.2


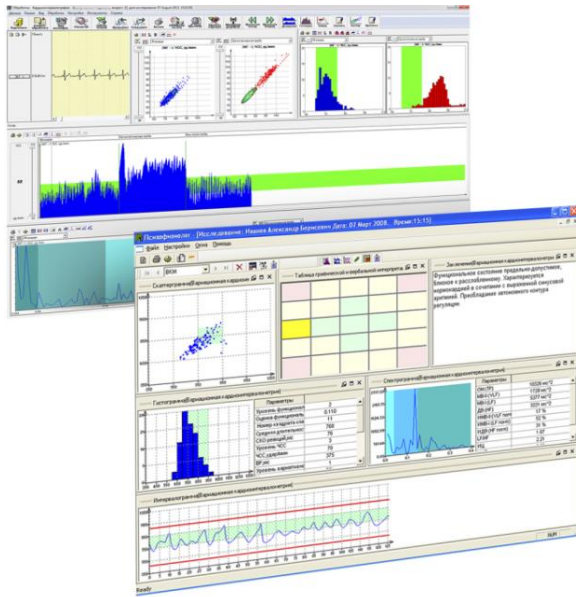

A_6354. Pad for tapping test

and an additional test in the EGOSCOP library

It is used for tapping test to determine the strength and mobility of the nervous system.

Allows you to register, in addition to the dynamics of the frequency of hits, also the dynamics of the hit force.



7.1.3	<p>A_6423. Oculomotor tubus (connected to USB port) and additional tests CFFF, CFDF in “Egoscop” library</p> <p>It is used for Critical flicker fusion and distinguishing tests (CFFF, CFDF), in order to assess the functional state of the cortical part of the visual analyzer and the central nervous system, as well as to assess the degree of inertia of mental processes and functional asymmetry.</p>	
7.2	<p>A_1964. Heart rate variability analysis «HRV»</p> <p>Used for:</p> <ul style="list-style-type: none"> • as a screening test for psychophysiological studies • evaluation of the characteristics of the initial vegetative tone, vegetative reactivity and vegetative support of activity; • assessment of the adequacy of physical and psycho-emotional loads in educational and production processes <p>It can be used both independently and as an accompanying and related to the main testing in scientific non-medical research.</p> <p>The set includes:</p>	
7.2.1	<p>A_2229. ECG Electrodes Set (clamp EEG electrodes 3 pcs.)</p> <p>For use in training instead of disposable electrodes (if possible).</p>	

7.2.2

A_2714. Disposable ECG Electrodes (use for recording ECG, EMG, EOG, in a package of 100 pcs.)



7.3

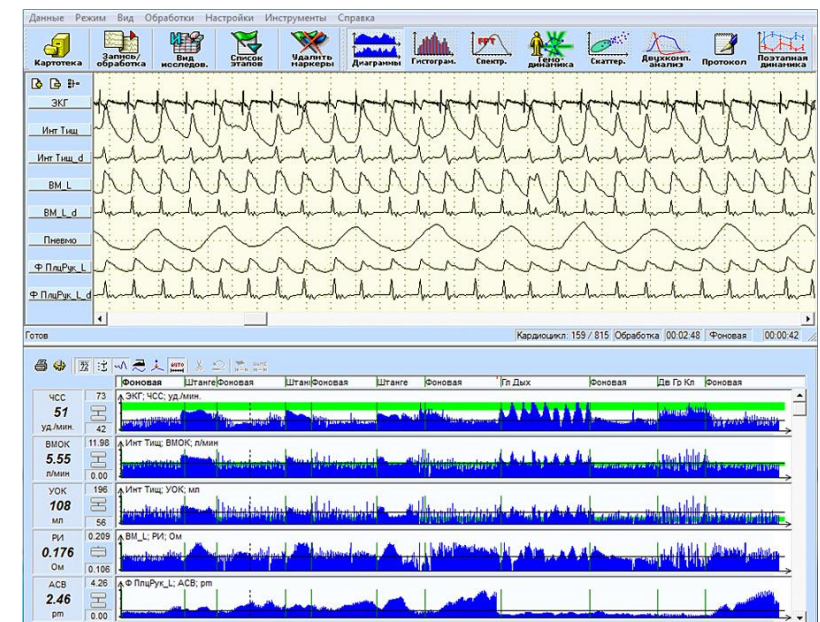
A_0803-4. Software "ENCEPHALAN-MPA" for the multiparametric analysis of signals via polygraphic channels with EEG signals

The set includes:

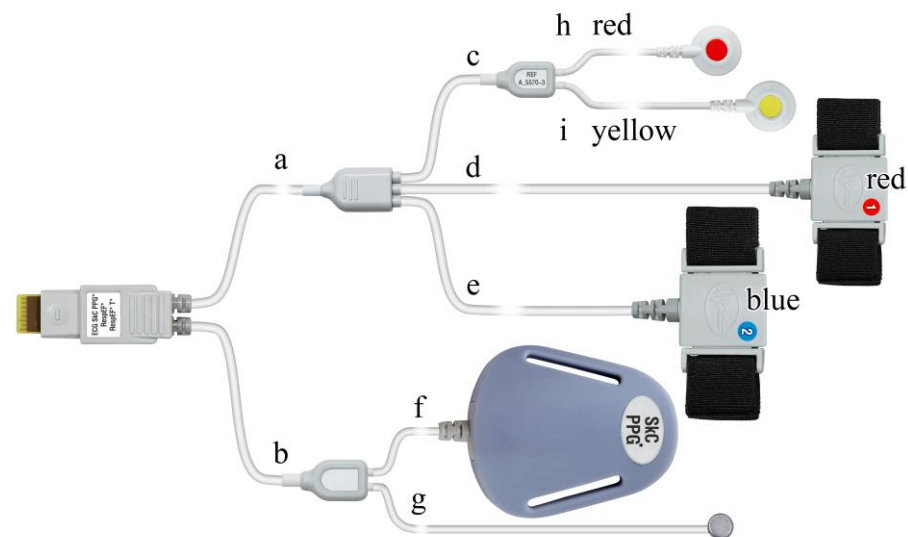
A_0803. Software "ENCEPHALAN-MPA" for the multiparametric analysis of signals via polygraphic channels with EEG signals for scientific research in psychophysiology

The software provides:

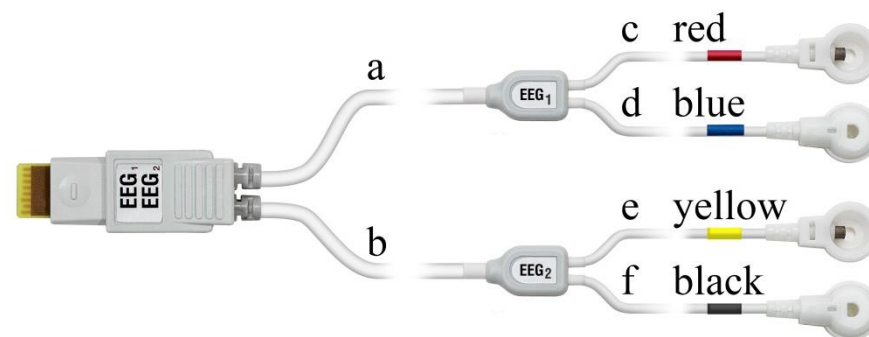
- calculation and visualization of trends reflecting the cardiocycle (cycle to cycle) dynamics of indicators of the cardiovascular, vegetative and central nervous systems on a single time scale, for visual assessment of their relationship;
- detailed analysis of recorded signals to assess physiological shifts in response to provoking influences in order to identify weak and compensatory links in the body's systems during psychophysiological tests;
- conducting statistical and spectral analysis, constructing histograms and/or scattergrams of the distribution of indicators for specified study fragments;
- formation of an automatic protocol with a formalized description and tabular data reflecting the initial state and significant changes associated with functional tests.



A_5570-3. SkC/PPG*+ECG+RespEf*+RespEf*+T* Sensor (Micro-8M)



A_5577-2. EEG/EEG Sensor (Micro-8M)
(with a common referent and N electrode)



A_0712-1. EEG and EP studies using audio-visual stimulation "ENCEPHALAN-AVS"

The set includes:

A_0712. EEG and EP studies using audio-visual stimulation "ENCEPHALAN-AVS"

(from the EP-studies "ENCEPHALAN-EP", the "basic" option)

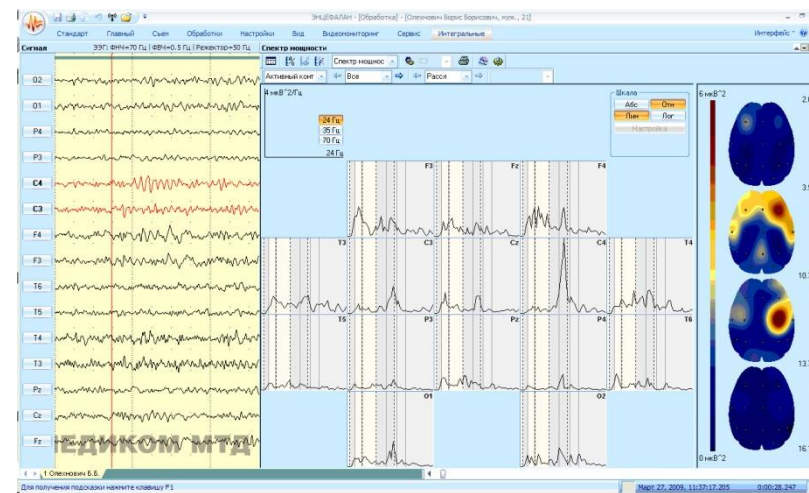
SW "ENCEPHALAN-AVS" is designed to study the mechanisms of human perception and memory, emotions, attention, mental activity, with attention and memory disorders.

The main difference between an audiovisual stimulator and other types of stimulators is that AVS allows the use of stimuli with semantic content, which allows the use of ENCEPHALAN-AVS software in scientific research in cognitive psychology.

Requires:

- additional monitor for presentation of video stimuli;
- headphones or speakers for presentation of audio stimuli.

The set includes:



A_9873. Button sensor

The sensor has two buttons on the body for marking events by the respondent, a built-in LED and a vibration module for presenting a light and vibrotactile stimulus to the respondent, as well as a built-in movement activity sensor and a Bluetooth 5.2 wireless module



A_4833. Optical synchronization module

The module provides registration of a synchronizing video stimulus on the PC monitor screen using a built-in optical sensor and a wireless module "Bluetooth 5.2".



A_5577-2. EEG/EEG Sensor (Micro-8M)
(with a common referent and N electrode)

