

REFLEXOTHERAPY DEVICE ALTEC-7009

• Device is intended for reflexotherapy method development that is called thermal puncture. This device is used to control thermal effect on bioactive points of human body enabling the treatment of the following sicknesses: nervous system diseases, visual organ and sense body diseases, endocrine system disease, circulatory system disease, dysbolism, immunity abatement, irritation, depression, sleep disturbance, headache, cardiac rhythm disturbance, respiratory apparatus and alimentary organ diseases, different disorders of urinary system and muscular system, early pregnancy toxemia, skin and hypodermic tissue diseases and other illnesses. This device can be also applied during labor anesthesia, some gynecological, dental and ENT surgeries, postoperative period together with other treatment modes or drugs.

• Device operation principle consist in cooling or heating of each channel operating probe by installed thermoelectric Peltier module in the probe. Module power supply is performed by control block automatically according to the set temperature of operating probe.

External view of reflexotherapy device



• Reflexotherapy device consists of 20 thermoelectric probes with connecting wires. Control block includes programmer, timer, temperature and time display unit as well as power supply unit. Thermoelectric probe presents a temperature probe, thermoelectric Peltier module and heatsink with fan for module hot side cooling in the same body. Special fastenings of different sizes are foreseen for thermoelectric probe fixing.

• Advantages of current device as compared with well-known analogues are the following: extended range of operating temperatures (-10 ÷ +50) °C and thermoelectric probe lifetime within the corresponding area (10 ÷ 250) sec, high rate of temperature change in heating mode 6 °C/sec and cooling mode 3 °C/sec, programmer and thermoregulator availability.

- Device permits the precise assignment of temperature effect mode; to change elevated and lowered temperature cyclically; to control the time of temperature effect on correspondent areas of human body providing the progress of treatment methods.

- Device substitutes acupuncture and cautery by means of “hot cigarettes”, excluding the possibility of patient injury. Temperature effect technique of device does not bring on allergy and drug dependence and mobilizes own healing properties of human body. It can be also applied for painless treatment of different children diseases.

Technical specification

№	Technical specification of device	Parameters value
1.	Operating temperature range of thermoelectric probes	(-10 ÷ +50) °C
2.	Temperature change rate: in heating mode and cooling mode	6 °C/sec 3 °C/sec
3.	Waiting time lag of set temperature value	(10 ÷ 250) sec
4.	Maintenance accuracy of set temperatures	±2 °C
5.	Device supply voltage with alternating current	(220 ± 10) V
6.	Consumed power of device	200 W
7.	Dimensions of control unit	(360×360×150) mm
8.	Weigth of control unit with 20 probes	14 kg
9.	Thermoelectric probe weight	0.15 kg
10.	Thermoelectric probe dimensions: Diameter Thickness	31 mm 25 mm
11.	Time of device continuous running	8 hours

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