



- The device is intended for cryomassage (stimulation of metabolism, smoothing of wrinkles), treatment of suppurative inflammatory processes, tempering of separate areas of human body and other procedures aimed at treatment of human skin diseases, such as circumscribed alopecia, acne vulgaris and acne rosacea, local neurodermatitis, skin itch, chronic eczema, lichen rubber planus, flat warts, granuloma annulare, etc.

- The operating principle of device lies in cooling of operating instruments by means of thermoelectric Peltier modules. Cooled operating instrument is used to produce temperature effect on the respective areas of human skin.

#### **Appearance of device for cryomassage**



- The device consists of three basic functional units: power supply unit, cooling unit and a set of operating instruments. Cooling unit, in turn, comprises the following elements: case, cooling chamber for operating instruments, two-stage thermoelectric modules “Altec-11” and air radiators with fans for cooling of the hot sides of modules. The device operating instruments include embedded electronic thermometers with autonomous power supplies and cylinder copper heads of various configuration.

- The advantages of this device over the well-known analogs are as follows: availability of autonomous electronic thermometers for operating instruments, absence of connection between the operating instruments and cooling unit, small overall dimensions of device operating instruments,,

possibility of change in the localization of temperature influence on the injured area of human skin by different configuration of operating instrument heads, and simplicity of device design.

- The referred advantages enable one to control the temperature of operating instrument during treatment, make long-term therapeutic manipulations due to alternate replacement of instrument by the next, cooled one, expand the area of device application, increase the operating convenience and treatment process efficiency.

- The device does not require special training of medical and service personnel, which facilitates considerably its application in different medical institutions and beauty salons.

#### Device specifications

№	Device specifications	Parameter value
1.	Operating temperature range of device	(-30 ÷ +5) °C
2.	Time required to reach temperature mode by device	10 min.
3.	Accuracy of temperature measurement	±1 °C
4.	Device AC supply voltage	(220 ± 10) V
5.	Device power consumption	250 W
6.	Thermoelectric cooler dimensions	(240×160×150) mm
7.	Operating instrument dimensions	(18.5×23×215) mm
8.	Operating instrument weight	0.08 kg
9.	Device weight	6.5 kg
10	Time of device continuous operation	8 h

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