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## **ASTAR POLARIS 2 laser therapy apparatus (Reconditioned)**

Reconditioned (used),

Technical condition: very good,

Visual condition: very good,

Real photos of the product,

Polish production, (2013),

Power supply: 230 V,

Frequency: 50/60 Hz,

Power: 40 W,

Polaris 2 laser therapy device

is an active, non-invasive therapeutic device designed to carry out therapeutic procedures with laser radiation in the visible range (for a wavelength of 660 nm) invisible range (for a wavelength of 808 nm),

The device has a built-in database of ready-made therapeutic procedures, and there is also the possibility for the user to create his own treatment programs,

In terms of laser radiation, Polaris 2 can work with spot, scanning and shower applicators. Due to the available maximum radiation power of 450 mW for 808 nm and 100 mW for 660 nm, the device is classified as a low-power laser device,

Features:

Improved microcirculation,

Stimulation of angiogenesis,

Increase in the amplitude of nerve fiber action potentials,

Increase in enzyme activity,

Changes in cell membrane potentials,

Changes in the secretion of neurotransmitters, hormones and kinins,

Acceleration of electrolyte exchange between the cell and the environment,

Increase in biological activities,

Antimutagenic effects,

Changes in the liquid crystal structure of biological membranes,

Increased synthesis of collagen, proteins, RNA and ATP,

Application:

Sports medicine,

Orthopedics,

Rheumatology,

Neurology,

Dermatology,

Laryngology,

Dentistry,

An important factor in the action of the biostimulation laser is the lack of thermal effect, which allows the use of in acute conditions,

Specifications:

Power control accuracy:  $\pm 20\%$  of the maximum power value,

Pulse repetition rate:  $\pm 20\%$  ,

Filling:  $\pm 20\%$  ,

Size of the scanner working field in each axis:  $\pm 15\%$  ,

Parameters related to laser scanner operation:

Class for the pilot beam of the scanning applicator: 3R,

Pilot beam power: 5 mW,

Pilot beam wavelength: 660 nm,

Possibility of simultaneous emission of RD and IR radiation,

Scanner height adjustment range: 60 - 140 cm

Recommended scanner rotation adjustment angle:  $-90^\circ \div +90^\circ$  in two axes,

Filling of the waveform for pulse operation of the scanner: 75% ,

User programs: 50,

Parameters for pulse operation of point applicators:

So-called Nogier frequencies 1.14 / 2.28 / 4.56 / 9.12 / 18.3 / 36.5 / 73 / 146 Hz,

So-called Voll frequencies:

1.2 / 1.7 / 1.75 / 2.2 / 2.45 / 2.5 / 2.65 / 2.9 / 3.3 / 3.5 Hz,

3.6 / 3.8 / 3.9 / 4 / 4.9 / 5.55 / 5.8 / 5.9 / 6 / 6.3 / 6.8 Hz,

7.5 / 7.7 / 8/25 / 9.2 / 9.35 / 9.4 / 9.45 / 9.5 / 9.6 Hz,

Included:

User manual in Polish, English (PDF),

Power cord,

Dimensions: 50 x 100 x 130 cm,

Weight: 10 KG,

Has a current inspection and is ready for operation,

Issued Technical Passport (Service Report) valid for a period of 12 months,

Warranty:

6-months for domestic market (Poland),

3-months for the international market,

Possibility to extend the warranty up to 12-months for domestic and international market for a surcharge,

Financing options (Poland only): Installments, Leasing, Loan,

