

# LA8000 LA10000

The new laser LA8000/LA10000 guarantee a fast intervention for the treatment of inflammatory and degenerative pathologies in orthopedic, neurologic and dermatologic area.

Thanks to their high performance healing time is significantly reduced.

## KIT

- ✓ LA8000/LA10000 device
- ✓ Optical fiber probe
- ✓ Safety glasses
- ✓ Safety footswitch operation



**MEDICAL DEVICE CLASS IIa**  
LA8000/LA10000 is a medical device CE0476

## TECHNICAL FEATURES

- ✓ Power supply 110-230 Vac, 50-60 Hz,  $\pm 10\%$
- ✓ Maximum laser output 8 W  $\pm 20\%$
- ✓ Adjustable laser power output 1 ÷ 8 W
- ✓ Laser diode wavelength 980 nm
- ✓ Mode of operation continuous, pulsed
- ✓ Frequency emission 10 Hz ÷ 10 KHz
- ✓ Duty cycle 10% ÷ 90 %
- ✓ Therapy time 1 ÷ 30 minutes
- ✓ Preadjusted programs 30
- ✓ Free programs 5 trigger + 5 scan
- ✓ Adjustable parameters (scan mode) points, power, frequency, duty cycle, joule, time
- ✓ Adjustable parameters (trigger mode) area (cmq), power, frequency, duty cycle, density, time
- ✓ Safety footswitch operation
- ✓ Optical fiber probe
- ✓ Laser class IV Class IEC 60825-1
- ✓ Pointing red light available on request

## MAIN TREATMENTS

- ✓ Polyarthritis
- ✓ Epicondylitis/Epitrochleitis
- ✓ Knee pain
- ✓ Myositis
- ✓ Oedema
- ✓ Sciatalgy/Lumbago
- ✓ Articular sprains
- ✓ Chronic Tenosynovitis
- ✓ Muscle strains
- ✓ Overcharge pathologies
- ✓ Ecchymosis
- ✓ Bursitis
- ✓ Degenerative arthritis
- ✓ Adhesive capsulitis
- ✓ Arthrosis pains
- ✓ Post-traumatic disorders
- ✓ Scars
- ✓ Rheumatic diseases

## DIMENSIONS

300 x 150 x 120 mm

# LA8000 LA10000

## HOW DOES IT WORK

The acronym Laser stands for Light Amplification by Stimulated Emission of Radiation. The laser therapy uses the effects of energy produced by the light source penetration into the tissues. Biochemical reactions are activated across the cellular membrane. It has been observed that right doses of Laser light can stimulate cellular functions, in particular into the cells damaged by functional deficits.

The main effects of Laser therapy are:

- ✓ Improved blood flow: capillary and artery vasodilatation that results in local heat increase.
- ✓ Biostimulation: accelerated tissues repair, stimulation of protein synthesis, ADP production, electrolyte changes in the intraand extra-cellular fluids and mitosis of fibroblasts, increase of collagen and elastin.
- ✓ Anti-inflammatory effect.
- ✓ Anti-oedema effect: lymphatic drainage stimulation.
- ✓ Analgesic effect.

