ENDOLASER 120

HIGH PERFORMANCE THERAPEUTIC LASER

The 905 nm GaAs laser probe delivers pulses in nanoseconds, producing average powers of 100 mW and peak powers up to 100 W per diode. This results in a higher concentration of light energy (I_0), or photon density at tissue depth, without the risk of burning tissue.

PROVEN EFFECTIVENESS

The clinical application of light – produced by laser diodes with a power output up to 1600 mW - is scientifically well documented. The 905 nm (GaAs) pulsed laser is the most versatile for deep lying structures (joints, vertebrae, back (muscles) whereas the 808 nm (GaAlAs) is more appropriate for wound healing and tissue repair. Scientific evidence continues to demonstrate that pulsed light does have biological and clinical effects that are different from those of continuous wave (CW) light. Several studies revealed that the LLLT in pulsed wave mode of operation can better penetrate through the melanin and other skin barriers, supporting the hypotheses that pulsing is beneficial in reaching deep target tissue and organs [1].

EVIDENCE BASED CLINICAL GUIDELINES

The Endolaser provides the user with dosage recommendations for the effective treatment of pain and various musculoskeletal disorders.

MULTIPLE LASER PROBES AVAILABLE

For the treatment of smaller surfaces probes, there is a choice of single laser probe with a total power up of 100mW and 500mW are available. For the treatment of larger areas the cluster probe, combining 4 diodes with a total up to 1600 mW, can be used. The Endolaser automatically recognizes the type of probe that is connected.

QUICK ACCESS POWER BUTTONS

The output power of the Endolaser 120 can be easily set at different levels for easy dosage settings.

TARGET LIGHT

When treating a patient without probe-skin contact, the red target light helps the therapist to focus on the area to treat. The target light contributes to a safe treatment by indicating the irradiation area of the laser beam.

ERGONOMIC PROBES

The ergonomic probes can be used with or without skin contact. Each probe is equipped with a start-pause button for easy control. The indication light on top of the probe indicate the emission state (laser running or laser-ready).

ENDOLASER 120

1633901 ENDOLASER 120

with single probe holder

STANDARD ACCESSORIES

	Endolaser 120 base unit
2x	Laser Safety Eyewear (goggles)
	Infosheet
	User manual (on CD)
3444290	Mains cable 230V-EUR
1x	Probe holder (premounted)
1x	Doorswitch cable

1633902 ENDOLASER 120

with double probe holder

STANDARD ACCESSORIES

	Endolaser 120 base unit
2x	Laser Safety Eyewear (goggles)
	Infosheet
	User manual (on CD)
3444290	Mains cable 230V-EUR
2x	Probe holder (premounted)
2x	Doorswitch cable
	Interlink cable (premounted)

OPTIONAL ACCESSORIES

			OUTPUT	PEAKPOWER
1632801	LP100P	Laser probe 100 mW, super pulsed laser diode (905 nm)	100 mW	100 W
1632802	LP500C	Laser probe 500 mW, continuous laser diode (808 nm)	500 mW	
1632803	CP4X100C	Cluster probe 4x100 mW, continuous laser diode (808 nm)	4 x 100 mW	
1632804	CP4X400C	Cluster probe 4x400 mW, continuous laser diode (808 nm)	4 x 400 mW	
3444820	Laser Safety Eyewear (set of goggles)			

1632801

1632802

1632803

1632804

3444820

TECHNICAL SPECIFICATIONS

General	
Mains voltage:	100 - 240 Volt
Frequency:	50/60 Hz
Max. power output:	20 VA
Dimensions device (length x width x height):	22 x 16 x 14 cm
Weight unit:	1.6 kilograms
Type of laser diode:	GaAs (pulsed) and GaAlAs (continuous)
Preprogrammed clinical protocols:	22
Number of favorites to save:	20

Safety and performance standards	
Medical device classification 93/42/	IIa; Rule 9 Annex IX of EEC
with	This equipment complies all requirements of the Medical Device Directive (93/42/EEC).
IEC 60601-1	General requirements for the safety of electrical medical systems.
Safety class according to IEC 60601-1	Electrical safety class II
Applied parts	Type B Applied part.
Classification of laser according to IEC60825-1	3B

ENRAF-NONIUS B.V.
Vareseweg 127
3047 AT Rotterdam
Nederland
T: +31-(0)10 - 203 06 00
E: info-nl@enraf-nonius.nl
www.enraf-nonius.nl

ENDOLASER 120

Powerful solution to eliminate pain, reduce inflammation and accelerate tissue healing

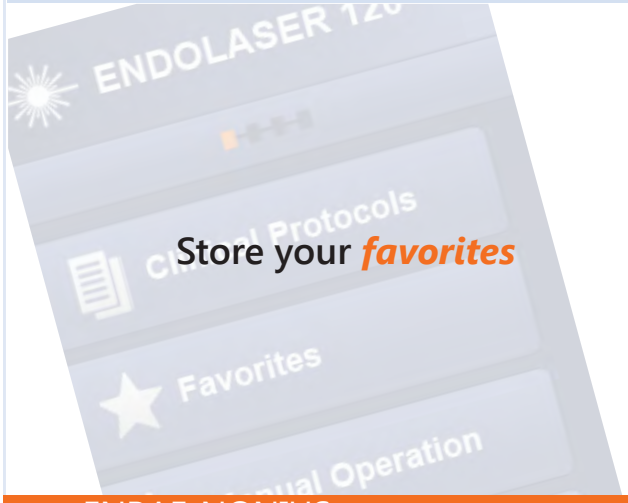
Fast & easy operation: "with the ***speed*** of light"

Safe

Evidence Based Clinical ***Guidelines*** incorporated

Drug-free and non-invasive

Effective



Store your ***favorites***

Smart laser monitoring system -Long Life Time Laser Technology- to ensure a ***stable output***. Now and in de the future

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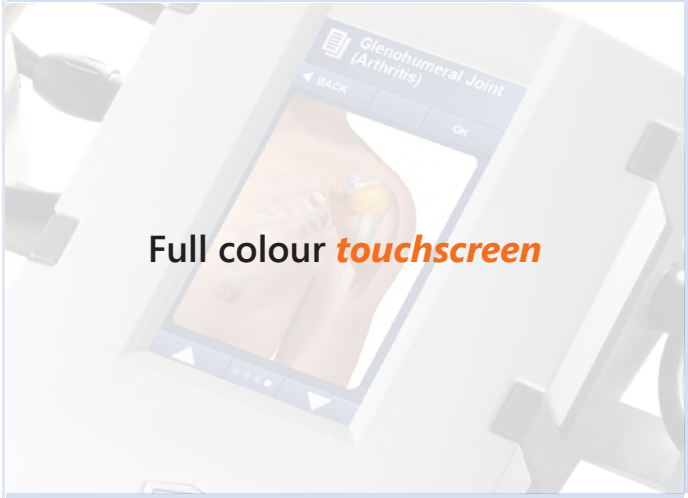
ENDOLASER 120

Automatic recognition of connected laser probes

High Quality beam characteristics



Full colour ***touchscreen***

Automatic dosage / time adjustment based on output power level

Ergonomically designed probes

Variety of probes: CW and Pulsed

Easy to ***clean*** probes

Compact & light weight

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