



JENOPTIK

JenLas® *MLS Green*

Highest precision in eye treatment thanks to reliable medical laser solutions. **SHARING EXCELLENCE**

Applications

JenLas® *MLS Green* is a class 4 OEM laser source for

- Retinal photocoagulation
- Trabeculoplasty
- Iridotomy

Features

- Certified as medical electrical equipment
- Aiming beam
- Fiber-coupling
- Short pulse duration
- Precise energy control
- Enabling short treatment times

Medical laser system

JenLas® *MLS Green* | Specifications

General Properties	JenLas® <i>MLS Green</i>
Treatment laser	Frequency doubled thin disk laser at 532 ±1 nm
Output power	60 mW ... 3 W in 1 mW steps, ±15 % stability in pulsed mode
Operating mode	Laser emission with programmable durations of 10 ms to 650 ms
Rise time	From 0 % to 90 % output power <1 ms
Control interfaces	RS232 and mini USB for programming pulse duration, laser output power, pilot power and communication Parallel interface (TTL level) for pulse triggering/laser ready/error signals
Pilot laser	Diode, 639 ± 5 nm , class 3R, 0...3 mW dimmable
Fiber coupling	- connector SMA-905, - suitable for ≥ 100 µm core diameter, - NA ≥ 0.11 incl. two inductive proximity fiber sensors, - fiber exchangeable by user
Operating Conditions	
Temperature	+10 °C ... +35 °C
Humidity	10 % ... 90 %, no condensation
Electrical connection	100 ... 240 VAC ± 10%, 50/60 Hz, input power: < 440 VA
Mechanical Properties	
Dimensions (W x H x L)	236 x 99 x 295 mm
Weight	Approx. 5.75 kg
Additional Features	
	- Foot switch & interlock interface (D9-connector)
	- Redundant power monitoring
	- Beeper for laser operation warning
	- Service and diagnostics software
Medical Certification	IEC 60601-1 : 2005 + CORR. 1 (2006) + CORR. 2 (2007) IEC 60601-2-22 : 2007
	Functional safety tested & certified by TÜV-Süd