



InfraLight Product Line

10 μ m Infrared InfraLight-200 CO₂ laser series

Key features

- Wavelength 10.6 μ m
- High amplification
- High pulse energy
- Generation lines tunin
- Wide range of working pressure (from 200 to 1000 mbar)
- Computer control
- Wavelength tuning (optional)
- Regeneration system (optional)



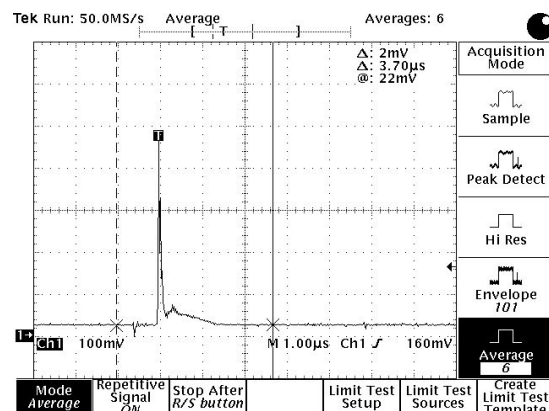
Optromix InfraLight-200 is a high pulse energy CO₂ laser with 10.6 μ m wavelength and average output power up to 30 W. High amplification feature of the laser makes it a perfect fit for different applications, which require pulse energy 1 J, 2 J or 3 J.

One of its unique features is its wide range of working pressure from 200 to 1000 mbar.

In Optromix we aim to provide the best experience to our customers, and we will configure your laser system exactly according to your requirements. We can equip your InfraLight-200 with optional wavelength tuning and regeneration system.

Applications

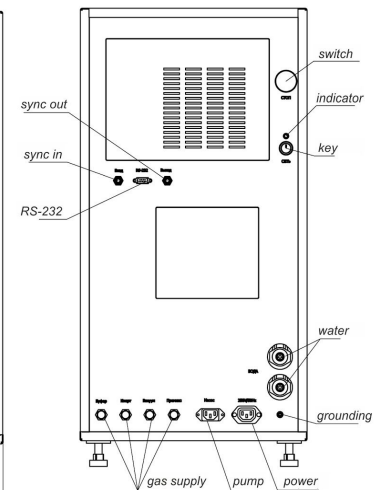
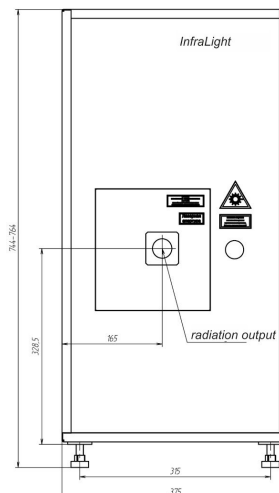
- Marking
- Engraving of non-metallic surface
- Holing in circuit boards
- LIDAR
- IR spectroscopy
- Surface cleaning



InfraLight-200 specification

Parameter	Value	Unit
Operating mode	pulsed	
Central wavelength	10.6	μm
Pulse energy (multimode)	1,2,3	J
Max. average power (multimode)	Up to 30	W
Max. repetition rate	Up to 50	Hz
Pulse duration	3	μs
Beam size	15*15, 15*30	mm
Divergence	< 3	mrad
Working pressure	200 - 1000	mbar
Control interface	RS-232 or RS 422	
Operating voltage	110, 240 V, 50 - 60 Hz, 3 Phases	
Dimensions (WxHxL)	744x375x1360	mm
Weight	170	kg

- Optromix provides 1 year warranty for all systems.



Information in this document is a subject to change without notice.

