



InfraLight Product Line

10 μ m Infrared InfraLight-100 CO₂ laser series

Key features

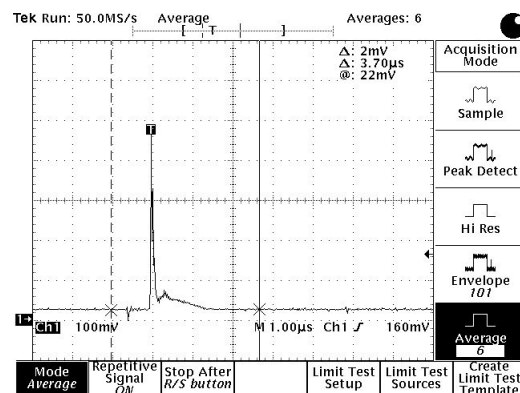
- Wavelength 10.6 μ m
- High repetition rate
- High average output power
- Single unit
- Computer control
- Extended gas-mixtures lifetime



Optromix InfraLight-100 is a CO₂ laser with 10.6 μ m wavelength and average output power 15 W. 10.6 μ m wavelength demonstrates outstanding results in processing different types of materials with varied thickness. InfraLight-100 is very stable and produces little spatter. InfraLight-100 operates in quasi-sealed operation mode, a gas-mixture ensures the extended lifetime of the laser. We offer the most effective CO₂ lasers with minimum maintenance required, which can be used for a wide range of applications.

Applications

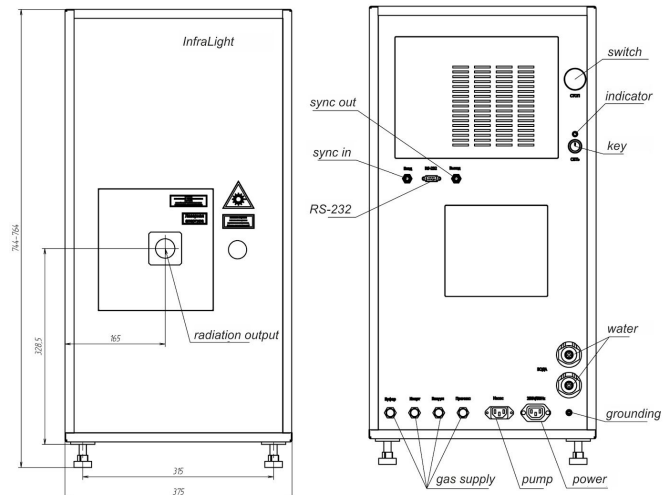
- Marking
- Engraving of non-metallic surface
- Holing in circuit boards
- LIDAR
- IR spectroscopy
- Surface cleaning



InfraLight-100 specification

Parameter	Value	Unit
Operating mode	pulsed	
Central wavelength	10.6	μm
Pulse energy (multimode)	50	mJ
Max. average power (multimode)	15	W
Max. repetition rate	300	Hz
Pulse duration	3	μs
Beam size	10	mm
Divergence	< 3	mrad
Gas-mixtures lifetime	extended - quasi-sealed operation mode	
Control interface	RS-232 or RS 422	
Operating voltage	110, 240 V, 50 - 60 Hz, 3 Phases	
Dimensions (WxHxL)	744x375x780	
Weight	80	

- Optromix fiber systems can be customized by request.
- Optromix provides 1 year warranty for all systems.



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

