EPFL-PS/NS-1550

1550 nm PICOSECOND / NANOSECOND **LASER**

Features

- Up to 3 W at 1550 nm
- Laser pulse repetition rate: 100 kHz—2 MHz
- Excellent beam quality M^2<1.2
- Monolithic, sealed and rugged design
- Low life-time ownership cost

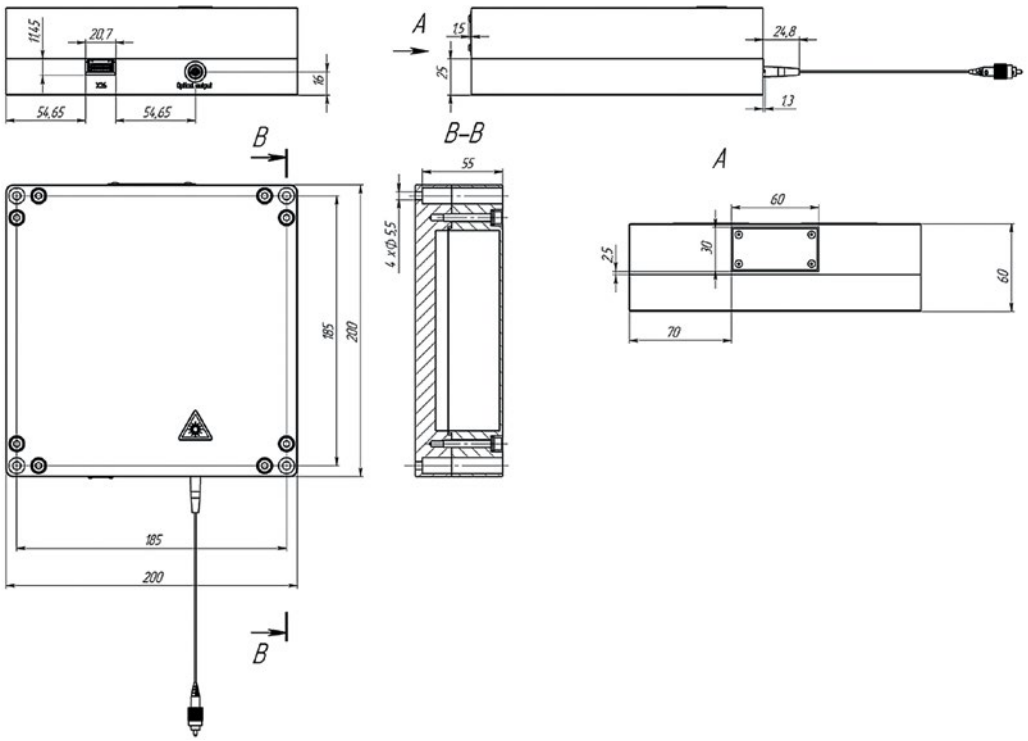
Applications

- LiDAR
- 3D Scanning
- Range Finding
- Metrology and Pollution Detection
- Other Scientific Research

Specifications

Model	EPFL-PS-1550	EPFL-NS-1550
Main specifications		
Central wavelength	1550±1 nm	
Pulse duration (FWHM)	35 ps	1–10 ns
Laser pulse repetition rate range	100 kHz—2 MHz	
Max. average output power	1 W	3 W
Max. pulse energy	1 uJ, peak power 25 kW	250 uJ, 25 kW
Power long term stability over 8 h after warm-up (Std.dev.)	< 1%	
M² parameter	< 1.2	
Polarization (PER)	Linear/random	
Output	SMF 28, 10/125 fiber	
Trigger mode	External TTL Trigger	
Operating requirements		
Operating voltage	5.5–12 VDC	
Operating ambient temperature	From -10 to +40 °C	
Relative humidity	10–80 % (non-condensing)	
Air contamination level	ISO 9 (room air) or better	
Physical characteristics		
Laser size (W × H × L)	230×230×90 mm	

Drawings



EPFL-1550-1 laser dimensions