

FIBER LASER

# CL2-100-1,5-A

en | Data sheet | 1.0

- Air-cooled MOPA fiber laser 100 Watt
- Variable adjustable pulse width 2 – 500 ns
- Frequencies up to 4000 kHz
- Developed for cleaning and ablation
- Compact design, minimum weight



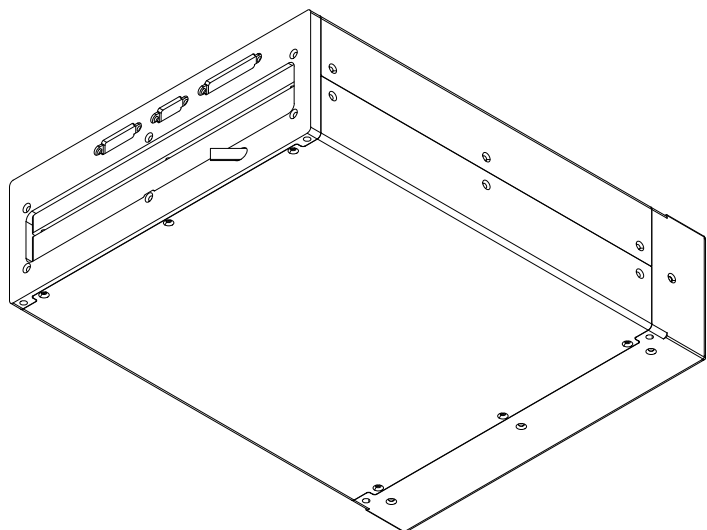
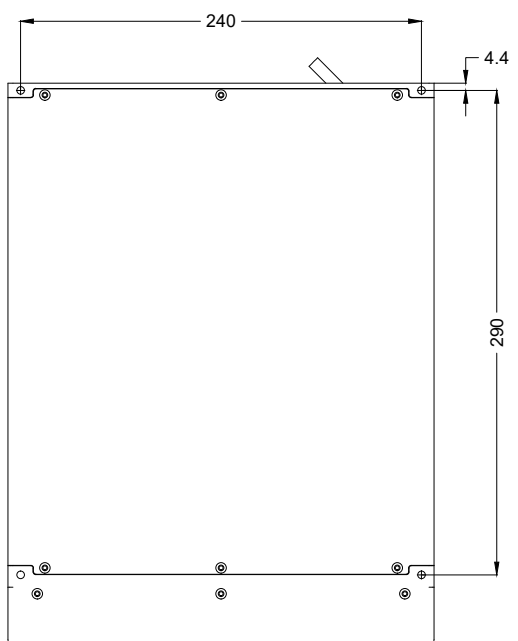
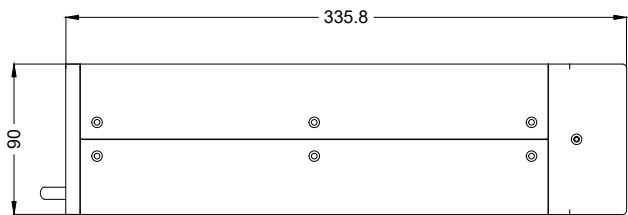
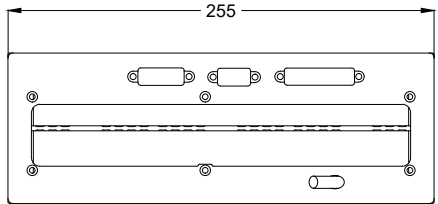
|                                 |                     |                                   |                    |
|---------------------------------|---------------------|-----------------------------------|--------------------|
| Wavelength                      | 1064 nm             | Beam diameter tolerance           | 1 mm               |
| Nominal output power            | 100 W               | Fiber length                      | 5 m <sup>[2]</sup> |
| Laser operation mode            | Pulsed              | Cooling method                    | Air                |
| Beam quality ( $\leq$ )         | 2 M <sup>2</sup>    | Aiming beam                       | Standard           |
| Pulse frequency                 | 1 – 4000 kHz        | Adjustable pulse width            | Yes                |
| Full power frequency            | 65 – 4000 kHz       | House keeping function            | Standard           |
| Max. peak pulse power           | 8 kW                | Supply voltage DC                 | 48 V               |
| Pulse width                     | 2 – 500 ns          | Current consumption               | 8.33 A             |
| Max. pulse energy @ pulse width | 1.5 mJ @ 500 ns     | Power consumption @ 20°C          | 400 W              |
| Power instability $\emptyset$   | 5%                  | Operation temperature             | 0 – 40 °C          |
| Power tuning range              | 0 – 100%            | Storage temperature               | -10 – 60 °C        |
| Polarization                    | Random              | Mechanical dimensions (W x D x H) | 335 x 90 x 225 mm  |
| Anti-reflective coating         | Standard            | Net weight                        | 9 kg               |
| Beam diameter D4 $\sigma$       | 7 mm <sup>[1]</sup> |                                   |                    |

Product customizations are possible on request.

<sup>[1]</sup> Other available beam diameters: 2.5 mm – 10.5 mm

<sup>[2]</sup> Other available fiber lengths: 3 m / 8 m





Laser product  
Class 4



Manufacturer

Fiber laser

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Dimensions are given in millimeters and are intended as reference values.  
Binding information is available on request.

