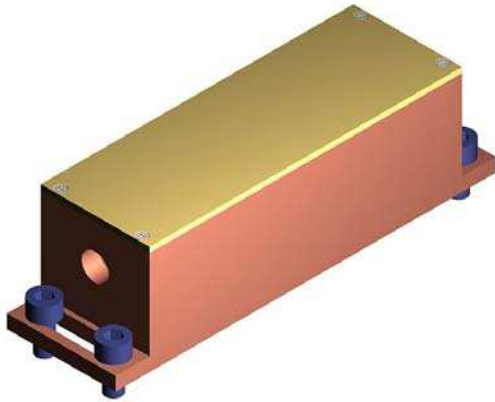


# Diode-Pumped Solid-State Blue Laser

Part No: TECBL-1G-473



## Product Features

- Solid-state laser
- High Stability
- Low power noise

## Applications

- Spectroscopy
- Bioanalytical
- Displays
- Light scattering

## Operating Instructions

**Caution note:** Please read the complete instruction before attempting to operate the laser. Operating this laser using controls or performance procedures other than those specified herein may result in hazardous laser light exposure or may damage the laser.

To assemble

- Mount the laser head on the heat sink,
- Remove the shorting jumper from the laser head cable,
- Connect the laser head cable to the controller,
- Connect the power supply cable to the controller.

To start

- Plug-in the power supply to the outlet - the laser is ON,
- After 15 min warm-up time the laser is ready.

To stop the laser unplug the power supply.

## Specification

OPTICAL	
Wavelength	473 nm
Optical Output Power	1 mW
Power stability	<1%
Laser Class	Class II
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Spatial mode	TEM <sub>00</sub>
Beam shape	Circular (1:1.3)
Beam Divergence	<1 mrad
Spot Size at aperture at FWHM	0.3 mm
Polarization	>300:1, vertical
Warm-up time	15 min
ELECTRICAL	
Operating Voltage	5 V
Operating Current	7.5 A peak
MECHANICAL	
Laser Dimension	40 mm x 40 mm x 140 mm
Controller Dimension	69 mm x 25 mm x 153 mm
Cable Length	0.6 m
Operating Temperature	+25°C to +30°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements	5 W dissipation



**Operational Hazard** This laser emits radiation that is visible and harmful to human eye. When in use, do not look directly into the laser emitting aperture.

**Limited Warranty:** One year. No warranty coverage for disassembly, modifications or damage due to abuse or misapplication.