215 TEC DIL LaserMount

- Active TEC cooling
- 14-pin DIL Lasers
- Zero insertion force (ZIF) connection
- Solder-less wiring

Accessories

Beyond the mount itself, the 203 works with our optional fibre tray, device cover, and fan base:

The 200-TRAY fibre tray bolts directly to the top of the mount and makes fibre management simple.

The 200-C cover enhances the stability of the laser by minimising the impact of ambient air currents.

The 200-FAN fan base significantly increases the thermal capacity, from 2W to 3.5W (25°C set, 25°C ambient).

Active Cooling

The 215 TEC DIL LaserMount provides active TEC cooling for DIL lasers that lack an internal Peltier cooler, or for manufacturing applications where case temperature control is an important part of device qualification.

Quick Laser Connections

The 215 makes connections to the laser quick with a zero insertion force socket… simply slide the laser in the socket, screw the device to the mount for active cooling, and close the lead clamp to make electrical connection.

Thermistor Control

The mount uses a 10K thermistor for temperature feedback.

Just Need Passive Cooling?

If your device already has an internal Peltier (TEC) cooler, and you only need passive cooling, take a look at the 213 DIL LaserMount.

Easy Wiring

The underside of the mount houses a simple screw terminal wiring setup, with all wires color coded, and the terminals clearly marked to make wiring the mount for your device as easy as possible.

DB-9 & DB-15 Interfaces

The laser driver and temperature controller connections are made through a DB-9 LDD and DB-15 TEC connector on the side of the mount, which allows for quick connections to any Arroyo Instruments controllers.

Specifications	
Laser Package Supported	14-pin DIL
Input connectors	
Laser Diode	DB-9, male
Laser TEC	DB-15, male
Mount TEC	DB-15, male
Temperature Control	
Temperature Range (°C)	-5 to +85
Sensor Type	10 kΩ Thermistor
TE Module Imax (A)	3.7
TE Module Vmax (V)	3.
General	
Size (H x W x D) (mm)	39 x 89 x 127
Mounting holes	¼-20 through-hole, 3" on centre (x2)
Device mounting screws	4-40 x ¼" Socket Head Cap Screw