

226 TEC Laser/LED LaserMount



Flexible Mounting Plate

The 226 has a unique mounting plate, which features three distinct hole patterns:

1. A hole pattern for STAR LEDs, including larger 4-40 threaded holes
2. A breadboard pattern of 2-56 threaded holes on 1/4" spacing
3. Four outside corner holes forming a 1/2" x 1" square

This combination of hole patterns provides excellent flexibility in mounting various types of devices.

The 226 is designed for post-mounting (post-mount not included), with 8-32 and M4 threaded holes on the bottom of the mount.

- Active TEC cooling
- 2.4W Thermal Capacity
- Clear anodized aluminum
- LED STAR and breadboard hole patterns
- 2mm banana jacks for easy device connections

Active Cooling

The 226 TEC LED LaserMount was designed for low power LED applications needing temperature control, but with its versatile breadboard hole pattern, can be used in any cold plate application.

Clear Anodized

For applications where the mount will be placed inside an integrating sphere for total light measurements, the 226 is clear anodized aluminum to minimize light absorption into the fixture, and therefore minimizing the impact on the sphere's power calibration.

Quick Disconnect Banana Jacks

For connecting your LED or laser, the 226 has two 2mm banana jacks on the side of the mount, which allows you to quickly connect your device to the mount. One set of leads is included with the mount.

DB-9 & DB-15 Interfaces

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

Thermistor Control

The mount uses a 10K thermistor for temperature feedback.

Specifications

Laser Package Supported	LED STAR, various
Thermal Capacity	2.4W At 0°C delta from ambient, 25°C ambient temperature
Input connectors	
Laser Diode	DB-9, male
Mount TEC	DB-15, male
Temperature Control	
Temperature Range (°C)	+15 to +85
Sensor Type	10kΩ Thermistor
TE Module I _{max} (A)	3.7
TE Module V _{max} (V)	8.2
TE Module Q _{max} (W)	20
General	
Size (H x W x D) [in(mm)]	2.0 (50.8) x 2.0 (50.8) x 2.3 (58.2)
Mounting holes	8-32 threaded hole M4 threaded hole