234B TEC TO-Can LaserMount

- 10W thermal capacity at 25°C
- Up to 3A laser current
- Supports 2-pin TO-can lasers
- Operation down to -5°C
- No wiring required

HIGH POWER — HANDLES UP TO 10W LOAD AT 25°C PLATE TEMP

Designed for High Power

The 234B was designed with high power TO-cans in mind... with a maximum laser current of 3A, support for the new 2-pin high power TO-can devices, and capable of handling 10W thermal loads while still maintaining 25°C, the 234B can handle even the most powerful TO-cans you can throw at it.

The 234B is designed for post-mounting (post-mount not included), with 8-32 and M4 threaded holes on the bottom of the mount.

CAGE Support

The 234B cover includes mounting holes for 30mm CAGE systems available from Thorlabs, Linos, and others. For applications that require a 1" lens tube interface, the 234-C-02 cover plate may purchased separately.

No Wiring

The 234B requires no wiring to configure it for your device. Instead, there are switches to configure the mount to the wiring of your device. The 234B supports all standard TO-5.6 and TO-9 devices, including high power 2-pin TO-cans.

Supports 2-pin High Power Devices

In addition to being a high power mount, the 234B natively supports the newer 2-pin high power TO cans, which operate at up to 3A and can

disspate as much as 8 to 10W of heat. The 234B is the only mount on the market that can handle these high power lasers.

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.

LASER 2000

📞 +44 (0) 1933 461 666 | ✉ sales@laser2000.co.uk | ➤ www.laser2000.co.uk
Laser 2000 (UK) Ltd, Unit 9, Avro Court, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XS, UK

Specifications

Supported Packages	5.6mm and 9mm TO-Can, 2, 3 & 4 pin Flange/panel mount fiber pigtailed lasers
Thermal Capacity	10W 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)	-5 to +85
Sensor Type	10kΩ Thermistor
TE Module Imax (A)	5.6
TE Module Vmax (V)	7.6 (at 25°C)
Recommended Controller	5240 TECSource or 5305 TECSource
General	
Size (H x W x D) [in(mm)]	3.0 (76.2) x 3.0 (76.2) x 2.91 (73.9)
Post mounting holes	8-32 and M4