

MODEL **224 & 234****TO-CAN
LASERMOUNTS**

The 224 and 234B TO-Can LaserMounts are full-featured laser fixtures with integrated temperature controls and easy device connections, built for TO-Can laser packages.

**ACTIVE HEATING AND COOLING**

Includes a built-in Peltier device and temperature sensor for bi-polar temperature control.

**STANDARDIZED CABLE CONNECTORS**

Connect to Arroyo Instruments laser drivers and temperature controllers with standard DB-9 and DB-15 cables.

**WIRE-FREE CONFIGURATION**

Insert the laser device without soldering or wiring. Switches select anode or cathode configuration, and earth ground connection.

**CAGE AND LENS TUBE SYSTEMS SUPPORTED**

30mm CAGE systems are natively supported, or add an accessory cover for 1" lens tube support.

**NITROGEN PURGE (MODEL 224)**

The included $\frac{1}{16}$ " barbed nozzle adapts to a nitrogen supply to eliminate condensation around the laser device during low-temperature operation.

**COPPER COLD PLATE**

100% copper cold-plate with mounting holes for common lasers and LEDs. Hard nickel plating for maximum performance and scratch resistance.

AT-A-GLANCE

Supported Laser Packages

- ▶ 5.6 mm TO-Can
- ▶ 9 mm TO-Can
- ▶ 2-pin TO-Can (Model 234B)

Cooling Mode

- ▶ Active Heating & Cooling

Thermal Capacity

- ▶ 1.3 Watts (Model 224)
- ▶ 10 Watts (Model 234B)

Also Includes

- ▶ Solder-less wiring
- ▶ Integrated Fan (Model 234B)
- ▶ High Temperature Configuration Available

**THERMISTOR
TEMPERATURE
SENSOR**

The 224 and 234B TO-Can LaserMounts includes a 10K thermistor for highly sensitive temperature feedback from 0°C to 70°C.

Highly sensitive temperature sensor, built in.

TO-CAN LASERMOUNT SPECIFICATIONS

		224	234B	234B-150
Temperature Control	Temperature Range (C)	+15 to +85, non-condensing	-5 to +85, non-condensing	-5 to +150, non-condensing
	Sensor Type	10kΩ Thermister	10kΩ Thermister	100Ω Platinum RTD
	TE Module (at 25 °C)	I _{max} = 3.1 Amp V _{max} = 2.6 Volt	I _{max} = 5.6 Amp V _{max} = 7.2 Volt	I _{max} = 6 Amp V _{max} = 8.6 Volt
General	Laser Packages Supported	5.6mm and 9mm TO-Can, 3 & 4 pin	5.6mm and 9mm TO-Can, 2, 3 & 4 pin Flange/panel mount fiber pigtailed lasers	
	Laser Controller Connector		DB-9, male	
	Temperature Controller Connector		DB-15, male	



STANDARD TO-CAN CLIPS

MODEL 224 & MODEL 234B



1MM OFFSET CLIPS

MODEL 234B

RECOMMENDED CONTROLLERS AND CABLES

The right temperature controller for your application depends on the mount and temperature range your application requires:

MODEL 224 & 234B

5240 TECSource and 1260B TECSource cable.

MODEL 234B, 150°

5305 TECSource and 1260B TECSource cable.

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 arroyo instruments

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