

MODEL **207****MULTI-PURPOSE  
LASERMOUNT**

The 207 LaserMount offers dependable thermal control for the many LEDs and medium-powered fiber pigtailed lasers in the 5 to 10 watt range. With a user-configurable quick-disconnect electrical interface and broad device support, the 207 is an excellent choice.

**UNIVERSAL WIRING INTERFACE**

An easy screw terminal block makes setup simple for any pin configuration. Pre-fabricated laser harnesses are available for many supported lasers.

**ACTIVE HEATING AND COOLING**

The 207 LaserMount includes a built-in Peltier device and temperature sensor for bi-polar temperature control.

**CUSTOMIZABLE COPPER COLD PLATE**

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

**OPTIONAL HIGH TEMPERATURE MODE**

Available in an optional high temperature configuration, allowing operation up to 150 °C.

**STANDARDIZED CABLE CONNECTORS**

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

**AT-A-GLANCE**

Supported Laser Packages

- ▶ Standard Butterfly
- ▶ SP Package
- ▶ AlfaLight AM6
- ▶ JDSU L3 & L4
- ▶ Lumics TO Package
- ▶ STAR LED
- ▶ Custom configurations available

Cooling Mode

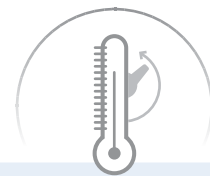
- ▶ Active Heating & Cooling

Thermal Capacity

- ▶ 12 Watts

Also Includes:

- ▶ Integrated Fan
- ▶ Optional Laser Harness

**LASER  
TEMPERATURE  
SENSOR SWITCH**

If your laser includes a temperature sensor, flip the sensor switch on the 207 LaserMount to bypass the mount's temperature signal and send the laser temperature directly to your temperature controller.

***Choose between cold plate temperature and laser temperature for your controller input.***

# 207 LASERMOUNT SPECIFICATIONS

		207	207-150B
Temperature Control	Temperature Range (C)	+15 to +85, non-condensing	+15 to +150, non-condensing
	Sensor Type	10kΩ Thermister	100Ω Platinum RTD
	TE Module (at 25 °C)	I <sub>max</sub> = 5.6 Amp V <sub>max</sub> = 8.2 Volt	I <sub>max</sub> = 6 Amp V <sub>max</sub> = 9.8 Volt
General	Laser Controller Connector	DB-9, male	
	Temperature Controller Connector	DB-15, male	
	External Sensor	Phoenix 2-Pin	
	Size (H x W x D) [inches (mm)]	2.44(62) x 3.50 (89) x 5.00 (127)	

## ACCESSORIES



### 200-TRAY

#### 200 SERIES FIBER MANAGEMENT TRAY

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



### 200-C

#### 200 SERIES LASER COVER

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

## RECOMMENDED CONTROLLERS AND CABLES

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

### MODEL 207

5240 and 1260B cable.

### MODEL 207, 150°

5305 and 1262B cable.

## NEED MORE THERMAL CAPACITY?



### MODEL 264

#### 30W THERMAL CAPACITY

The 264 TEC LaserMount was designed for high power devices needing active temperature control. With its large heat sink and integrated fan, the 264 can handle higher thermal loads and broader temperature ranges.

[www.arroyoinstruments.com](http://www.arroyoinstruments.com)



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