arroyo instruments

213 & 215 DIL
LASERMOUNTS

The model 213 & 215 DIL LaserMounts are an excellent choice for electrical connection and thermal management of 14-pin DIL and 8-pin mini-DIL lasers. These mounts feature zero-insertion-force (ZIF) sockets and fully configurable wiring.

UNIVERSAL WIRING INTERFACE

An easy screw terminal block with color coded wires makes setup simple for any pin configuration.

QUICK LASER LOADING

Zero-Insertion Force (ZIF) sockets create secure electrical connections in seconds.

ACTIVE HEATING AND COOLING (MODEL 215)

The 215 LaserMount includes a built-in Peltier device and temperature sensor for bi-polar temperature control.

COPPER COLD PLATE (MODEL 215)

100% copper cold-plate with hard nickel plating for maximum performance and scratch resistance.

STANDARDIZED CABLE CONNECTORS

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

OPTIONAL FIBER MANAGEMENT TRAY

Add the fiber management tray for easy handling of even fine optical fibers.
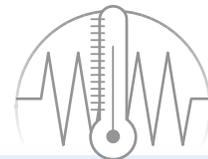
THERMISTOR TEMPERATURE SENSOR (MODEL 215)

The model 215 LaserMount offers the option of a 10K thermistor for highly sensitive temperature feedback from 0ºC to 70ºC.

Highly sensitive temperature sensor, built in.

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.

200-FAN
200 SERIES FAN BASE

By using a small fan to force air across the mount's heat sink, the efficiency and performance of the mount is significantly increased. For the 213, this means a thermal performance increase from 3.0°C/W to 1.2°C/W, while the 215 has an increase of thermal capacity from 1.75W to 3W.

RECOMMENDED CONTROLLERS AND CABLES

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

MODEL 213
5240 and 1260B cable suitable for most laser modules.

MODEL 215
5240 and 1260B cable for case temperature control, a second 5240 and 1260B cable suitable for most laser modules.