

286-01 TECMount, M3



The **286 TECMount** provides a flexible heating and cooling platform designed to meet demanding temperature control requirements. The 286 has larger plates with a breadboard-style mounting system, making them easy to integrate into a broad range of applications.

Standard Breadboard Plates

The 286-01 cold plate is available in a bread board configuration with M3 holes, providing a flexible mounting platform.

Customizing the Cold Plate

When our standard breadboard plates just don't fit, the cold plate on 286 mounts can be custom machined to fit the exact hole pattern of your application. We can put mounting holes just where you need them so your device mounts directly to the plate, without the need for adapters or modification.

- **100W thermal capacity**
 - M3 Holes
 - Active TEC cooling
 - Large cold plate with bread-board mounting, M3 holes
- Customized mounting plates available*

High Temperature Option



The 286 mounts are available in an optional high temperature configuration, **286-01-150**, allowing for operation up to 150°C, but retaining the temperature range and thermal capacity of the standard mount.

Because thermistors do not perform well at high temperatures, the sensor is replaced with a high accuracy Pt 100 RTD sensor. *There is additional cost for the high temperature configuration, please contact the factory for a quote.*

M-Series Mounting System

New with the 286 mounts is a series of mounting accessories to accommodate the integration of the 286 mounts onto your optical bread board or other mechanical system, and ships standard with the 286.



Flexible Temperature Feedback

Many laser and LED devices feature an internal temperature sensor. The 286 has an external sensor input, allowing for easy switching between the plate sensor and the sensor located in the laser or LED.

Specifications

Key Specs

Thermal Capacity	100W at 25°C
Cold plate	4.2" square solid copper, hard nickel plated Breadboard, M3 holes

Temperature Control

Temperature Range (°C)	+15 to +85
Sensor Type	10kΩ Thermistor
Recommended Controller	5300-08-24
TE Current, Max (A)	14.8
TE Voltage, Max (V)	24 / 32.8

General

Size (H x W x D) [in(mm)]	5.2 (132) x 6.4 (163) x 6.4 (163)
TEC Connector	17W2, male Phoenix 4-pin