

PowerMax LM-200B

Compact, Water-Cooled
Laser Power Sensors

These compact sensors are particularly useful when space is an issue. They must be water-cooled and heatsinked to achieve the full power rating. This sensor can also be used at lower power levels air-cooled or mounted to a heat sink.

Advantages

- Compact design
- Use water-cooled or air-cooled
- 200 W power handling water-cooled
- 80 W power handling conduction
- 3 W power handling convection
- 18 mm diameter active area
- Spectral calibration from 0.25 μm to 10.6 μm
- PC Application software included

Applications

- Medical
- Scientific
- Industrial

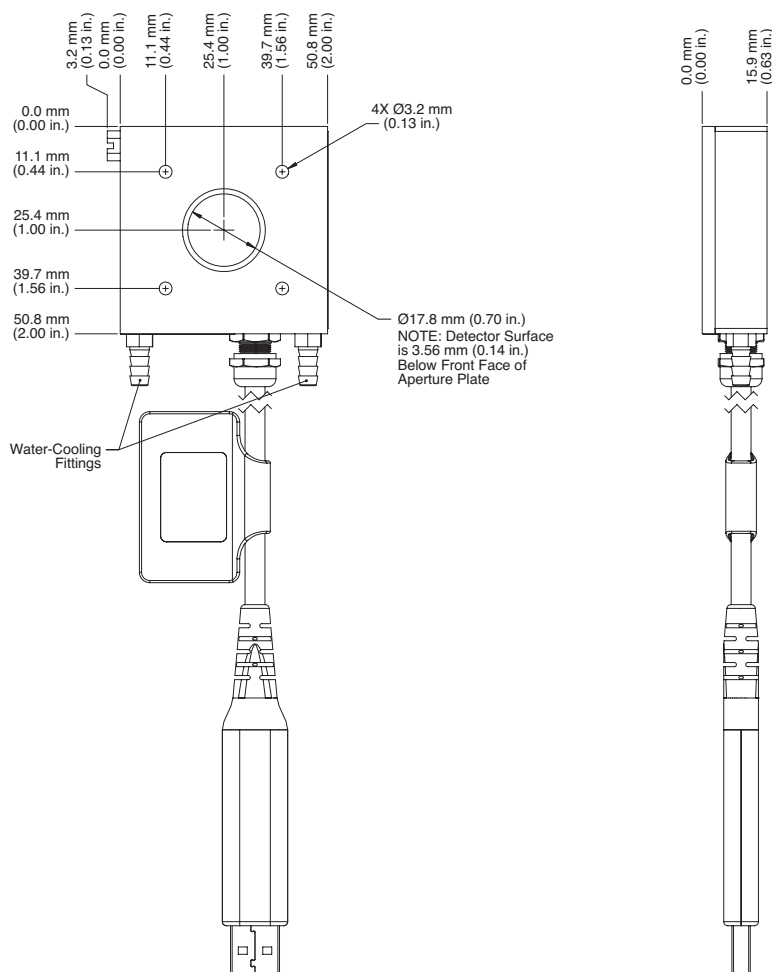


SPECIFICATIONS

| | LM-200B |
|--|--------------------|
| Wavelength Range (μm) | 0.25 to 10.6 |
| Power Range | 100 mW to 200 W |
| Long-Pulse Joules Range (J) | 0.5 to 10 |
| Resolution (mW) | 10 |
| Maximum Power Density (kW/cm^2) | 1.3 |
| Maximum Energy Density (mJ/cm^2) | 43, 1064 nm, 10 ns |
| Detector Coating | Broadband |
| Detector Diameter (mm) | 18 |
| Calibration Uncertainty (%) ($k=2$) | ± 5 |
| Calibration Wavelength (μm) | 10.6 |
| Cooling Method | Water-cooled |
| Cable Type | USB or DB-25 |
| Cable Length (m) | |
| USB | 2.5 |
| DB-25 | 1.8 |
| Part Number | |
| USB | 1194641 |
| DB-25 | 1163371 |

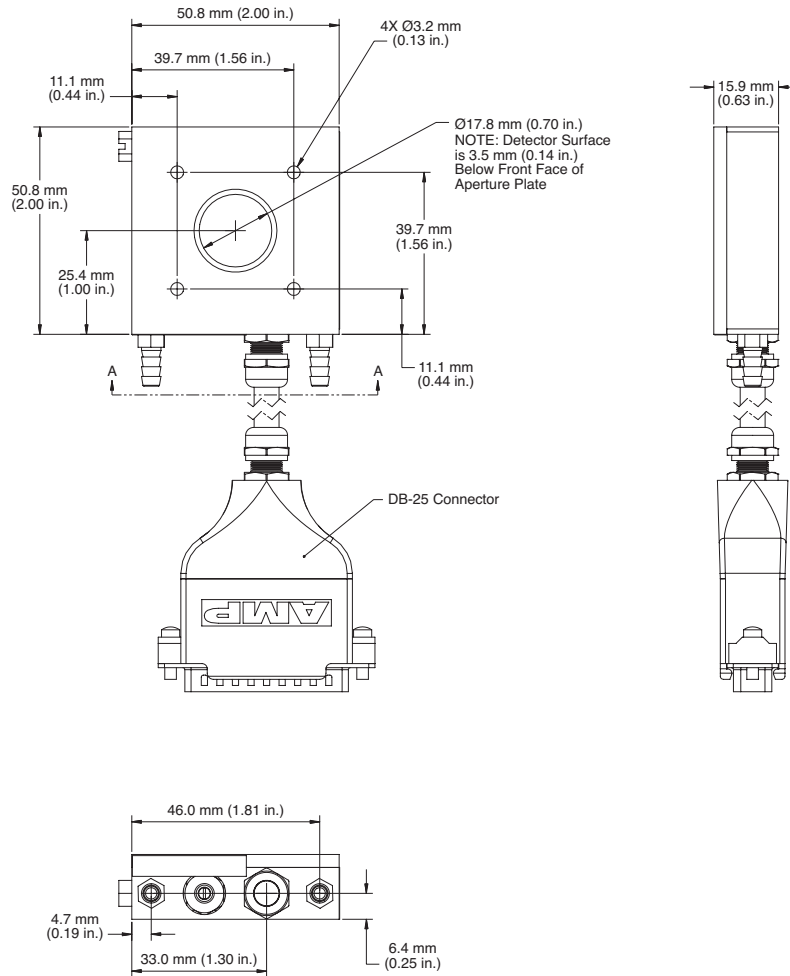
MECHANICAL SPECIFICATIONS

LM-200B PowerMax Sensor USB



MECHANICAL SPECIFICATIONS

LM-200B PowerMax Sensor DB-25



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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice. Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all PowerMax Sensors. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.

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