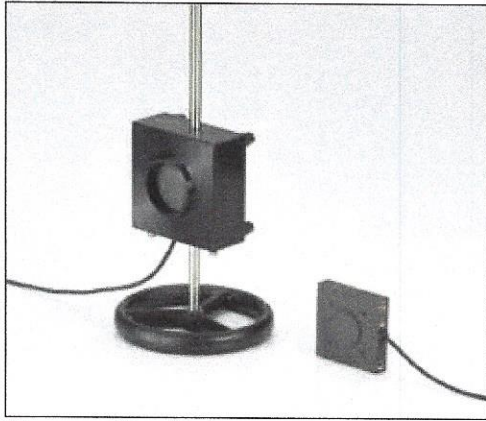


Beam Position Sensing Thermopile Sensors

100W to 5 kW



LM5000 and BeamFinder

Features




- Water-cooled
- Spectrally flat from 0.19 μm to 11 μm
- 1W resolution
- 35 mm to 55 mm apertures



Use with LabMax
(see page 10 and 14)

These kilowatt thermopile sensors are water-cooled for measuring output over 100W and are excellent for use with CO₂ and Nd:YAG lasers.

Tap or distilled cooling water is recommended with these sensors – DI water can not be used. Flow rates are power dependent and range from 0.5 to 4 gallons per minute; pressure depends upon flow rate and ranges from 3 to 40 PSI (visit product pages at www.Coherent.com/LMC for more technical details). Water fittings are included.

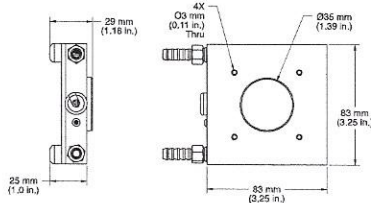
<div>Device Specifications</div> <div>ISO/IEC 17025:2005</div> <div></div> <div></div>	Model	BeamFinder	LM-1000	LM-2500	LM-5000	
	Wavelength Range (μm)	0.3 to 10.6	0.25 to 10.6			
	Power Range (W)	100 to 1000			100 to 2500	100 to 5000
	Resolution (W)	1				
	Max. Power Density ¹	1 to 2.5 kW/cm ²				
	Max. Energy Density	0.5 J/cm ² , 1064 nm, 10 ns				
	Detector Coating	H				
	Active Area Diameter (mm)	35	38	56		
	Calibration Uncertainty (%) (k=2)	±5				
	Calibration Wavelength (μm)	10.6				
	Cooling Method	Water-cooled				
	Cable Type	LM DB-25				
	Cable Length (m)	6				
	Part Number	1098427	1098409	1098437	1098421	

ISO/IEC 17025:2005

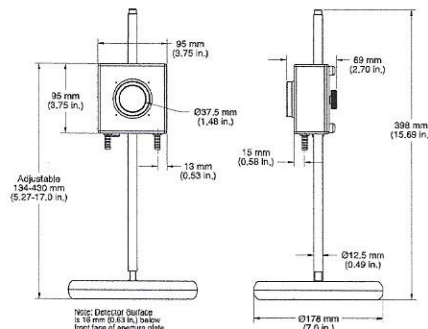


¹ The damage resistance of the coating is dependent upon the beam size and profile, the average power level, and the water flow rate. Contact Coherent or your local representative for details related to your application.

BeamFinder



LM-1000



LM-2500/LM-5000

