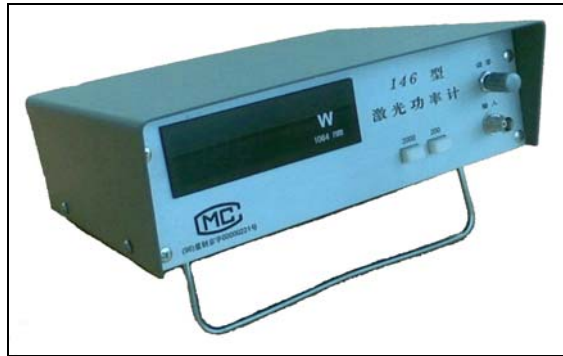




## Laser Power/Energy Meters



Display



Detector

### Laser Power Meters

Model	146	147	148	M-92A	M-92B	M-92C	M-93
Range	200W 2000W	2uW- 20W	2W-200W 2mW-200mW	0.2W- 20W	2W-50W	2W- 200W	20mW 200mW
Resolution	0.1W	1nW	1064nm:1mW 633nm:1uW	0.1mW	1mW	1mW	0.01mW
Sensor diameter	20mm			18mm	18mm	25mm	10mm
Wavelength	400-1100nm			190nm-25um			400-1100nm
Calibration @ wavelength	1064nm	633nm	1064nm 633nm	10.6um			633nm
Max power density	15kW/cm <sup>2</sup>			350W/cm <sup>2</sup>			
Max energy density	70J/cm <sup>2</sup>						
Display	3.5-digit LED						
Un-stability	5%						
Cooling	water	air				water	air
application	High-power laser	Low-power laser	Medium laser	CO2 laser			Low-power laser

Remark: A power meter consists of a display and a detector. The power meter has been calibrated at a given wavelength before shipping.

### Laser Energy Meters

Model	M2000B	M2000	145A	145B	145C
Range	2J-200J	2J-200J	200mJ-20J	2J-200J	20mJ-2J
Resolution	1mJ	1mJ	0.1mJ	1mJ	0.01mJ
Sensor diameter	11.3mm 50mm	50mm	20mm	20mm	20mm
Wavelength	190nm-25um	190nm-25um	400nm-3um	400nm-3um	400nm-3um
Calibration @ wavelength	10.6um	10.6um	1064nm, 532nm, 694nm		
Max power density	10GW/cm <sup>2</sup>	10GW/cm <sup>2</sup>	10GW/cm <sup>2</sup>	10GW/cm <sup>2</sup>	10GW/cm <sup>2</sup>
Max energy density	70J/cm <sup>2</sup>	70J/cm <sup>2</sup>	70J/cm <sup>2</sup>	70J/cm <sup>2</sup>	70J/cm <sup>2</sup>
Display	3.5-digit LED				
Un-stability	5%				
Cooling	air				
Application	CO <sub>2</sub> laser energy measure	Long pulse width energy measure	Pulse repetition rate 0-30Hz measure		