

Fit Series LaserProbes: Technical Specifications^(*)

Parameter	Fit50	Fit200	Fit500
Maximum Measurable Power (W)	50	200	500
Minimum Measurable Power @ ±3% accuracy (W)	2 ⁽¹⁾	8 ⁽¹⁾	20 ⁽¹⁾
Absolute Minimum Measurable Power (W)	0.5	2	5
Max Laser beam Diameter (mm)	20	20	25
Power Density Damage Threshold @ 250W(10J-0.5msec-25Hz) at 1.064µm (YAG laser)(W/cm ²)	10000		
Power Density Damage Threshold @ full scale at 10.6µm (CO ₂ laser) (W/cm ²)	2500		
Repeatability	± 1%		
ADC Resolution (W)	± 0.06	± 0.25	± 0.60
Display Resolution (W)	0.01	0.1	0.1
Accuracy	±3%		
Maximum Allowable Probe Temperature (°C)	70		
Time to measure and display data (s)	4		
Consumption in ON status (mW)	26		
Consumption in OFF status (µW)	25		
Power Supply (2 Batteries AA type) (V)	3		
Continuous Operation without Battery Replacement (h)	200		
Operating Temperature Range (°C)	+10 to +40		
Storage Temperature Range (°C)	-10 to +60		
Weight (Body) (g)	336		
Weight (Sensor Head with cable) (g)	178	200	280
M4 Holes on Diamtere D (mm)	49	49	59
Sensor Aperture (mm)	20	20	25
Dimensions (Sensor Head) DxH (mm)	56x20.5	56x25	66x30
Dimensions (Body) LxWxH (mm)	95x71x46		

(*) All specifications subject to change without notice

(1) Individually compared against a NIST reference; NIST traceability can be quoted on request

