

F150A-LP1-SH-V1

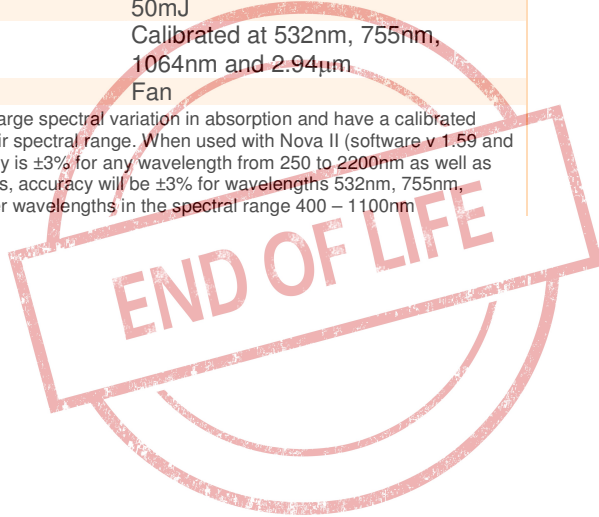
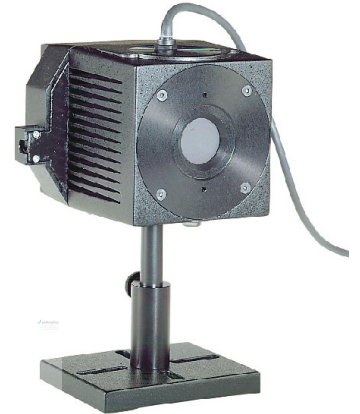
CW & Pulsed Measurements 120mW – 150W, 150mJ to 300J

Recommended Use: High energy long pulse lasers

Special Features: Very high damage threshold for long pulses

Absorber:	LP1 type, 0.25 – 3 μ m ^a
Aperture:	ϕ 24mm
Digital Power Scales:	150W / 30W / 3W
Maximum Average Power:	150W continuous
Maximum Average Power Density:	20KW/cm ²
Power Noise Level:	6mW
Power Accuracy:	\pm 3% ^a
Maximum Energy Density J/cm ² :	
10ns	Not for pulses <100 μ s
0.5ms	20J/cm ²
2ms	50J/cm ²
10ms	250J/cm ²
Response Time with Display (0-95%):	1.7s typ.
Linearity with Power:	\pm 2%
Energy Scales:	300J / 30J / 3J
Energy Threshold:	50mJ
Calibration:	Calibrated at 532nm, 755nm, 1064nm and 2.94 μ m
Cooling:	Fan

Note a: LP1 heads have relatively large spectral variation in absorption and have a calibrated spectral curve at all wavelengths in their spectral range. When used with Nova II (software v 1.59 and above) supporting this feature, accuracy is \pm 3% for any wavelength from 250 to 2200nm as well as 2940nm. When used with other displays, accuracy will be \pm 3% for wavelengths 532nm, 755nm, 1064nm and 2940nm and \pm 6% for other wavelengths in the spectral range 400 – 1100nm



Ordering information		
Item	Description	Ophir P/N
F150A-LP1-SH-V1	High energy long pulse lasers thermal power meter with very high damage threshold for long pulses	1Z02647S / 7Z02647S (RoHS)

Rev5/spc/04.02.08/eg

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