

L30(150)A-LP1

CW & Pulsed Measurements 80mW - 150W 80mJ - 300J

Recommended Use: Long pulse lasers, Erbium lasers

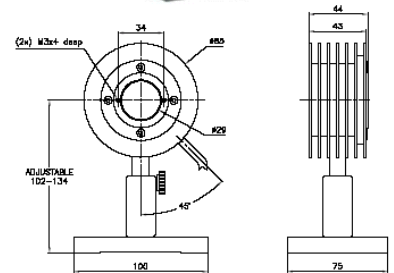
Special Features: High damage threshold for long pulses and CW

Absorber:	LP1: 0.25 – 2.2µm and 2.94µm
Aperture:	φ 29mm
Digital Power Scales:	150W / 30W / 3W
Maximum Average Power:	150W for 80s, 100W for 2min, 30W continuous
Maximum Average Power Density:	35KW/cm ² at 150W, >100KW/cm ² at 50W
Power Noise Level:	4mW
Power Accuracy:	±3% ^a
Maximum Energy Density J/cm ² :	
<100ns	0.05
0.5ms	20
2ms	50
10ms	250
Response Time with Display (0-95%):	1.5s
Linearity with Power:	± 1%
Energy Scales:	300J / 30J / 3J
Energy Threshold:	25mJ
Cooling:	Convection

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 Ophir displays other than Nove & Orion, accuracy is ±3% for any wavelength in the range. When used with Nove & Orion displays, accuracy will be ±3% for wavelengths 532nm, 755nm, 1064nm and 2940nm and ±6% for other wavelengths in the spectral range 400 – 1100nm



L30(150)A-LP1



L40(150)A-LP1

CW & Pulsed Measurements 200mW – 150W 80mJ - 300J

Recommended Use: Large beams, low profile, single shot energy

High energy, long pulses

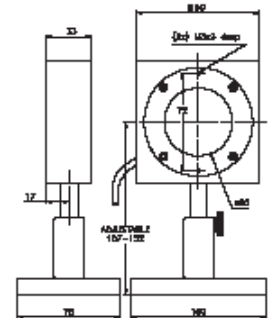
Special Features: Large aperture, slim profile

Absorber:	0.25 – 2.2µm
Aperture:	φ 50mm
Digital Power Scales:	150W / 20W ^a
Maximum Average Power:	150W for 65s, 80W for 2min, 35W continuous
Maximum Average Power Density:	35KW/cm ²
Maximum Energy Density J/cm ² :	
<100ns	0.05
1µs	0.3
0.5ms	20
2ms	50
10ms	250
Power Noise Level:	15mW
Power Accuracy:	± 3% ^a
Response Time with Display (0-95%):	2.5s
Linearity with Power:	± 1%
Energy Scales:	300J / 30J / 3J
Energy Threshold:	80mJ
Cooling:	Convection

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 Ophir displays other than Nove & Orion, accuracy is ±3% for any wavelength in the range. When used with Nove & Orion displays, accuracy will be ±3% for wavelengths 532nm, 755nm, 1064nm and 2100nm (LP1-V1) / 2940nm (LP1-V2) and ±6% for other wavelengths in the spectral range 400 – 1100nm



L40(150)A-LP1



Ordering information

Item	Description	Ophir P/N
L30(150)A-LP1-V1	30 / 150W Power meter for high energy pulses	1Z02654S / 7Z02654S (RoHS)
L40(150)A-LP1-V1	As above with high damage threshold LP1 coating. With Nova/Orion wavelengths <.65µm, 755nm, .8-.9µm, 1064nm, 2100nm	1Z02652S / 7Z02652S (RoHS)