

FL250A / FL250A-LP1 / FL250A-EX

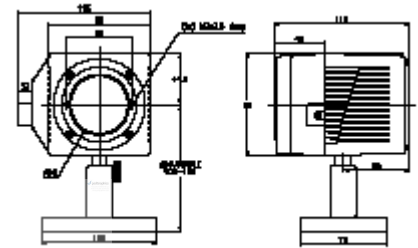
CW & Pulsed Measurements 200mW – 250W 50mJ - 300J

Recommended Use: Broadband: General use to 250W
 LP1: High power and energy density – not for CO2
 EX: Excimer lasers

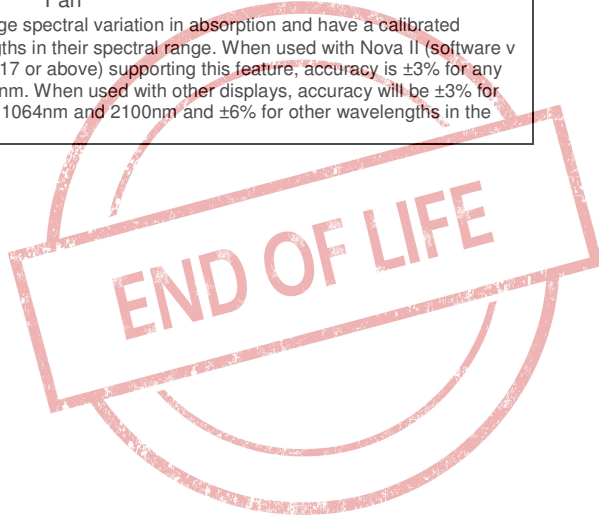
Special Features: Fan cooled, large aperture



FL250A



Absorber	Broadband: 0.19-20 μ m LP1: 0.25 – 2.2 μ m EX: 0.15-0.4 μ m, 10.6 μ m		
Aperture:	ϕ 50mm		
Digital Power Scales:	250W / 30W		
Maximum Average Power Density:	BB: 10KW/cm ² , LP1: 15KW/cm ² , EX: 2KW/cm ²		
Power Noise Level:	10mW		
Power Accuracy:	\pm 3% ^a		
Maximum Energy Density J/cm ²	Broadband	LP1	EX
<100ns	0.3	0.05	0.5
1 μ s	0.5	0.3	0.6
0.5ms	5	20	6
2ms	10	50	12
10ms	30	250	
Response Time with Display (0-95%):	2.5s		
Linearity with Power:	\pm 1%		
Energy Scales:	BB and LP1: 300J/30J/3J, EX: 200J/30J/3J		
Energy Threshold:	50mJ		
Cooling:	Fan		
<p>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) or USB1 (v1.17 or above) supporting this feature, accuracy is \pm3% for any wavelength from 250 to 2200nm. When used with other displays, accuracy will be \pm3% for wavelengths 532nm, 755nm, 1064nm and 2100nm and \pm6% for other wavelengths in the spectral range 400 – 1100nm</p>			



Ordering information		
Item	Description	Ophir P/N
FL250A-V1	Large aperture fan cooled 250 Watt power/energy meter	1Z02605 / 7Z02605 (RoHS)
FL250A-LP1-V1	Same as above with high damage threshold LP1 coating – not for CO2	1Z02653S / 7Z02653S (RoHS)
FL250A-EX	Same as above with EX coating for excimer lasers	1Z02391 / 7Z02391 (RoHS)

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