

Medium-High Power Fan Cooled Thermal Sensors

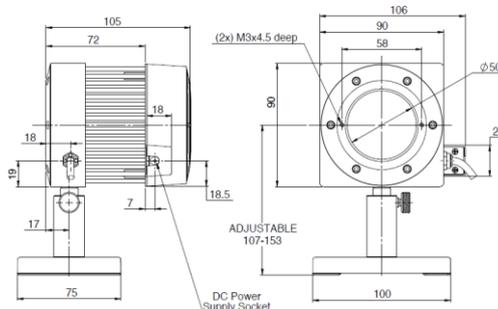
300mW to 400W

Features

- High powers and energies, large apertures
- Fan cooled
- Up to 400W
- $\phi 50\text{mm}$ aperture



Model	FL400A-LP-50
Use	High power densities and long pulses
Absorber Type	LP
Spectral Range μm	0.4 – 1.5, 10.6
Aperture mm	$\phi 50\text{mm}$
Power Mode	
Power Range ^(a)	300mW - 400W
Power Scales	400W / 50W
Power Noise Level ^(a)	40mW
Maximum Average Power Density KW/cm ²	10 at 400W 14 at 150W
Response Time with Display (0-95%) typ. s	2.8
Power Accuracy +/-%	3
Linearity with Power +/-%	1.5
Energy Mode	
Energy Range	75mJ - 600J
Energy Scales	600J / 60J / 6J
Minimum Energy mJ ^(a)	75
Maximum Energy Density J/cm ²	
<100ns	0.05
1 μs	0.3
0.5ms	20
2ms	50
10ms	150
Cooling	fan
Fiber Adapters Available (see page 44)	ST, FC, SMA, SC
Weight Kg	0.9
Version	
Part Number: Standard Sensor	7Z02735
Notes: (a) For lower powers up to 50W it is recommended to work with the fan off and then the noise level is ~3 times lower. It is also recommended to measure energy with the fan off.	



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