

Medium-High Power Fan Cooled Thermal Sensors

200mW to 250W

FL250A-EX-50

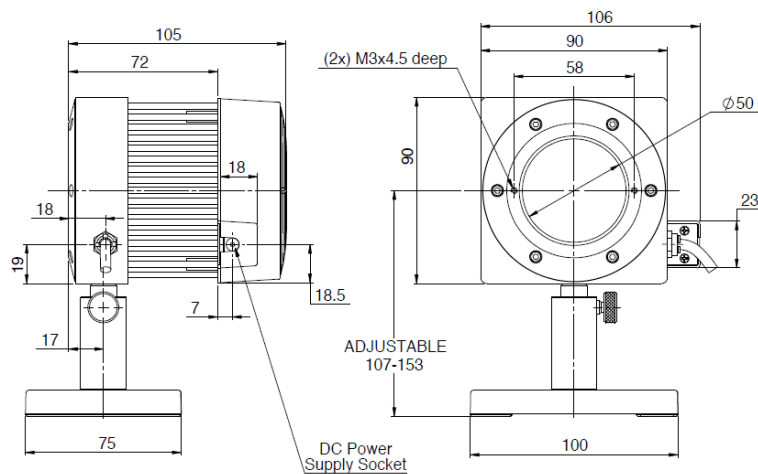
Features

- High powers and energies, large apertures
- Fan cooled
- Up to 250W
- $\phi 50\text{mm}$ aperture



Model	FL250A-EX-50
Use	Excimer lasers
Absorber Type	EX
Spectral Range μm	0.15 – 0.7, 10.6
Aperture mm	$\phi 50\text{mm}$
Power Mode	
Power Range ^(a)	200mW - 250W
Power Scales	250W / 30W
Power Noise Level ^(a)	10mW
Maximum Average Power Density KW/cm ²	2
Response Time with Display (0-95%) typ. s	2.5
Power Accuracy +/-%	3
Linearity with Power +/-%	1
Energy Mode	
Energy Range	60mJ - 300J
Energy Scales	300J / 30J / 3J
Minimum Energy mJ ^(a)	60
Maximum Energy Density J/cm ²	
<100ns	0.5
1 μs	0.6
0.5ms	6
2ms	12
10ms	25
Cooling	fan
Fiber Adapters Available (see page 42)	NA
Weight Kg	0.8
Version	
Part number	7Z02732

Note (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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