

# F100A-HE

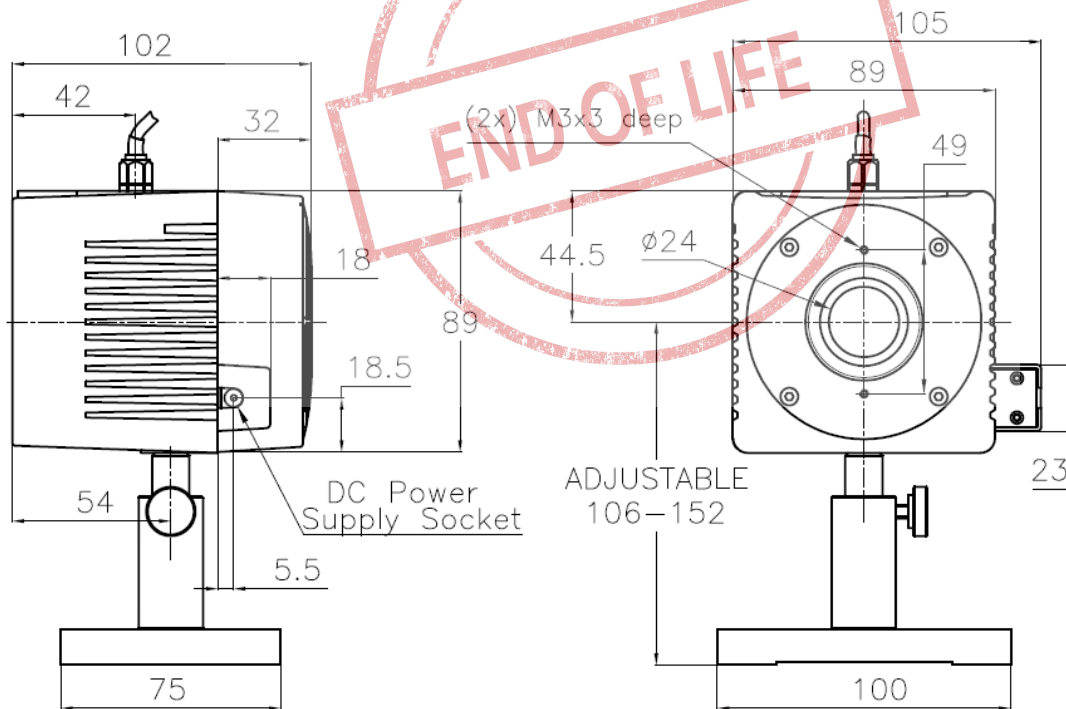
**CW & Pulsed Measurements 120mW - 100W 50mJ - 200J**

Recommended Use: High energy and average power pulsed lasers

HE: YAG + harmonics, Holmium, Erbium

Special Features: High damage threshold for short pulses, high average power

|  |  |                 |
|--|--|-----------------|
| Absorber:  | HE type: 0.19-0.625 $\mu$ m, 1.064 $\mu$ m, 2.1 $\mu$ m, 2.9 $\mu$ m |                 |
| Aperture:  | $\phi$ 24mm  |                 |
| Digital Power Scales:                                    | 100W / 30W / 3W  |                 |
| Maximum Average Power Density:                           | 500W/cm <sup>2</sup>   |                 |
| Power Noise Level:                                       | 6mW  |                 |
| Power Accuracy:  | $\pm$ 3%   |                 |
| Maximum Energy Density J/cm <sup>2</sup> <sup>a</sup> :  | Single shot  | 10-50Hz         |
| <100ns   | 5  | 2               |
| 0.5ms  | 100  | 15              |
| 2ms  | 150  | 40              |
| Response Time with Display (0-95%):                      | 3.8s typ   |                 |
| Linearity with Power:                                    | $\pm$ 1%   |                 |
| Energy Scales:   | 200J / 50J / 5J  |                 |
| Energy Threshold:  | 50mJ   |                 |
| Cooling:   | Fan  |                 |
| Note a: For shorter wavelengths, derate to values shown: | Wavelength   | Derate to value |
|  | 355nm  | 50%             |
|  | 266nm  | 50%             |
|  | 193nm  | 10%             |



| Ordering information |  |                |
|----------------------|--|----------------|
| Item                 | Description  | Ophir P/N      |
| F100A-HE-SH-V1       | 100 Watt power/energy meter for wavelengths 0.19-.625 and 0.9-3 $\mu$ m. Energy calibrated for 0.19-0.6 $\mu$ m and 2.9 $\mu$ m. Fan cooled. | 7Z02677 (RoHS) |

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