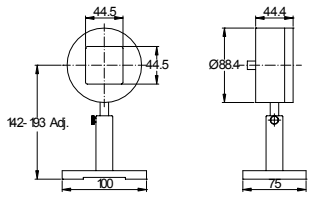


<p>ED-500</p> <p>APPLICATIONS: <i>Ho:Yag</i> <i>Tu:Yag</i> <i>Ruby(long pulse)</i> <i>Nd:Yag</i> <i>YLF</i></p> <p>FEATURES: * CW and Pulse Energy Measurement * 1.3mJ - 40J * up to 70Hz * Flat Spectral Response * Very large aperture</p>	
Absorber Type:	Hi-Energy Broadband
Wavelength Range :	0.19-11µm (a)
Sensitive Diameter :	44.5x44.5 mm
Energy Resolution:	1.3 mJ
Max Energy:	40 J (b)
Max Repetition Frequency:	70Hz
Max Pulse Width:	1 msec (c)
Rise Time (typ.):	2 msec
Sensitivity:	3 V/J (d)
Power Resolution:	10mW
Max. Continuous Power :	20 W
Max. Average Power Density :	2 kW/cm ²
Max Energy Density:	4J/cm ² @ 10.6µm-7ns-10Hz 2 J/cm ² @ 1.06µm- 7ns-10Hz 2J/cm ² @ 532 nm-7ns-10Hz 160mJ/cm ² @266nm-7ns-10Hz
Noise Equivalent Energy :	60aJ
Calibration Accuracy (%):	± 5%
Cooling:	Convection
Notes:	a. Calibrated for YAG and Diode Lasers. b. with nsec pulses @ Yag wavelength c. Long pulse width settings have lower rep.rates and sensitivity d. On a 1MOhm and <130pF load

Ordering Information (please add all codes when ordering)	
Item (only available with DUO monitor)	Code
Detector Head (10mW-10W/0.2mJ-8J)	ED-200
Detector Head (10mW-20W/1mJ-30J)	ED-200-LA
Detector Head (10mW-20W/1.3mJ-40J)	ED-500
Measurement Mode : Power & Energy	-PE
Calibration Wavelengths: 1064 nm (standard) 10.6 µm (standard) 355nm (on request) 532nm (on request) 908nm (on request)	-Y -C -UV -VIS -LD
Example of Complete Code : ED-500-PE-Y	