

3A

## CW & Pulsed Measurements 60μW –3W 15μJ to 2J

Recommended Use: Very low power and energy lasers

Special Features: Very sensitive, low noise, fast response

Absorber:	Broadband 0.19 - 20μm
Aperture:	φ 9.5 mm
Digital Power Scales:	3W / 300mW / 30mW / 3mW / 300μW
Maximum Average Power Density:	200W/cm <sup>2</sup>
Power Noise Level:	2μW
Thermal Drift (30 min):	5 - 20μW <sup>a</sup>
Power Accuracy:	± 3% <sup>b</sup>
Maximum Energy Density J/cm <sup>2</sup> :	0.3 for <100ns pulses
Response Time with Display (0 – 95%):	1.8 s
Linearity with Power:	±1.5%
Linearity with Energy:	± 2% ± 2μJ
Energy Scales:	2J / 200mJ / 20mJ / 2mJ / 200μJ
Energy Threshold:	20μJ
Cooling:	Convection

Notes: a. Depending on typical room airflow and temperature variations

b. This head has a software linearity correction which is not supported in AN/2 displays. The error can reach as much as 10% at full power with the AN/2 display.

