

FLASH



Handheld Laser Probe, 500 W & 3000 W



FLASH-500

NEW

Key Features

- 1 **Wide Power Range**
Very low noise level = wide power range with just one device
- 2 **No-Wait Measurements**
5-6 seconds measurements allow for very short cooling time (FLASH-500)
- 3 **Easy Operation**
 - . Thermometer for head temperature
 - . Red and Green LEDs for device status
 - . Functions separated on 2 buttons
- 4 **Large Aperture**
55 mm aperture to accomodate large beams
- 5 **Hand-Free Operation**
Designed to be stable when placed flat on a table
- 6 **High Accuracy**
 $\pm 3\%$ accuracy allows for very precise measurements (FLASH-500)

* Also traceable to **NRC-CNRC**



Primary Function → ON/OFF

Secondary Function → Backlight



Primary Function → GO

Secondary Function → Change Wavelength

Accessories



» Pelican Carrying Case

We offer a robust hard shell polymer carrying case.



Monitors
Energy Detectors
Power Detectors
OEM Detectors
Calorimeters
Diffractive Optics
Beam Diagnostics

SPECIFICATIONS

| Models | FLASH-500 | FLASH-3K |
|-------------------|---|---|
| |  |  |
| Max Average Power | 500 W | 3000 W |

| MEASUREMENT CAPABILITY | FLASH-500 | FLASH-3K |
|--------------------------------|--|-------------------------|
| Spectral Range | 0.19 – 20 μm | 0.19 – 20 μm |
| Maximum Measurable Power | 500 W | 3000 W |
| Calibration | CO ₂ , YAG, Custom (250 - 2500 nm) Up to 3 Calibrations / Unit | |
| Available Wavelengths Capacity | | |
| Noise Equivalent Power | 0.1 W | 5 W |
| Response Time | 5-6 sec | 10-12 sec |
| Calibration Uncertainty | $\pm 3\%$ | $\pm 6\%$ |
| Numerical Display Resolution | 0.1 W | 1 W |

DAMAGE THRESHOLDS

| | | |
|--|-----------------------|-----------------------|
| Maximum Average Power Density | | |
| 1064 nm, 100 W, CW | 25 kW/cm ² | 25 kW/cm ² |
| 1064 nm, 500 W, CW | 4 kW/cm ² | 4 kW/cm ² |
| Maximum Allowable Absorber Temperature | 65 °C | 65 °C |

GENERAL SPECIFICATIONS

| | |
|-----------------------------|-------------------------|
| Digital Display | 40 x 20 mm |
| Battery Type | 2 x AA batteries, 3.0 V |
| Battery Life | >5000 measurements |
| Operating Temperature Range | 10 to 40 °C |
| Storage Temperature Range | 10 to 60 °C |

PHYSICAL CHARACTERISTICS

| | | |
|--|-----------------------|-----------------------|
| Effective Aperture Diameter | 55 mm \emptyset | 55 mm \emptyset |
| Absorber Profile | Flat | Flat |
| Dimensions (Sensor Head, Monitor and Handle) | 334.8H x 88W x 35D mm | 334.8H x 88W x 45D mm |
| Weight | 930 g | 1240 g |

ORDERING INFORMATION

| | | |
|-------------------|-----------|----------|
| Full Product Name | FLASH-500 | FLASH-3K |
| Product Number | 201244 | 201245 |

Specifications are subject to change without notice