

# FLASH



Handheld Laser Probe, 500 W & 3000 W



FLASH-500

## Key Features

- 1 **Wide Power Range**  
Very low noise level = wide power range with just one device
- 2 **No-Wait Measurements**  
5 seconds measurements allow for very short cooling time (FLASH-500)
- 3 **Easy Operation**
  - . Backlight with ON/OFF controls
  - . Thermometer for head temperature
  - . Red and Green LEDs for device status
  - . Functions separated on 2 buttons
- 4 **Large Aperture**  
55 mm aperture to accommodate large beams
- 5 **Rugged**
  - . All-metal body
  - . High Damage Thresholds
- 6 **Hand-Free Operation**
  - . Stable when placed flat on a table
  - . 1/4-20 UNC fixation holes on the sides of the head

**NEW**

**FLASH**  
Handheld Laser Probe

## Accessories

\* Also traceable to **NRC-CRC**



- Primary Function → ON/OFF
- Secondary Function → Backlight



- Primary Function → GO
- Secondary Function → Change Wavelength



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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 $\mu\text{m}$	0.19 – 20 $\mu\text{m}$
Maximum Measurable Power	500 W	3000 W
Calibration	CO <sub>2</sub> , YAG, Custom (250 - 2500 nm) Up to 3 Calibrations / Unit	
Available Wavelengths Capacity		
Noise Equivalent Power	0.1 W	5 W
Response Time	5 sec	10 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 <sup>2</sup>	25 kW/cm <sup>2</sup>
1064 nm, 500 W, CW	4 kW/cm <sup>2</sup>	4 kW/cm <sup>2</sup>
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)	335H x 88W x 35D mm	335H 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