FLASH-IPL

Handheld Laser Probe for IPL Sources, 2 - 350 J per pulse



AVAILABLE MODELS





FLASH-500-55-W-IPL FLASH-500-55-IPL-W-C (55 mm Ø with Window) (55 mm Ø Win. & Cable)

KFY FFATURES

1. HIGH ENERGY PER PULSE

Accurate readings up to 350 J/pulse!

2. EASY OPERATION

- Backlight with ON/OFF controls
- Thermometer for head temperature
- Red and Green LEDs for device status
- Functions separated on 2 buttons

3. AVAILABLE WITH HANDLE OR CABLE

- Standard Model: Fixed Handle
- In Option: -C Model with 5 feet soft cable and removable handle

4. LARGE APERTURE

55 mm Ø aperture to accommodate large beams

5. RUGGED

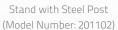
- All-metal body
- High Damage Thresholds

6. QUARTZ WINDOW

- For measurements with gel-coupled IPL heads.
- Protects the absorber, easy to clean

ACCESSORIES







Pelican Carrying Case

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FLASH-IPL

SPECIFICATIONS

	FLASH-500-55-W-IPL	
MAX PULSE ENERGY (SINGLE SHOT)	350 J	
EFFECTIVE APERTURE	55 mm Ø	
APERTURE TYPE	Full Aperture with Quartz Window	
MEASUREMENT CAPABILITY	FLASH-500-55-W-IPL	
Spectral Range	0.19 - 2.5 μm	
Available Wavelengths	YAG, Custom (250 - 2000 nm)	
Wavelengths per unit	Up to 3 Calibrations/Unit	
IPL Mode (Energy Mode)		
Energy Range	2 - 350 J	
Noise Equivalent Energy	500 mJ	
Sensitivity	0.013 mV/J	
Response Time	2 sec	
Minimum Repetition Period	15 sec (= time between measurements)	
Maximum Pulse Width	433 ms	
Accuracy in IPL Mode	±5 %	
Power Mode		
Maximum Measurable Power	500 W	
Noise Equivalent Power	0.1 W	
Response Time	5 sec	
Calibration Uncertainty	Typical Value (±3 % uncertainty available with optional power mode calibration)	
DAMAGE THRESHOLDS		
Maximum Average Power Density	45 kW/cm² (1064 nm, 10 W, CW)	
Pulsed Laser Damage Threshold	175 J/cm² (10 ms pulses)	
Maximum Allowable Absorber Temperature	65 °C	
GENERAL SPECIFICATIONS		
Digital Display	40 x 20 mm	
Battery Type	2 x AA batteries, 3.0 V	
Battery Life	>5000 measurements	
Operating/Storage Temperature Range	10 to 40 °C / 10 to 60 °C	
PHYSICAL CHARACTERISTICS		
Effective Aperture	55 mm Ø	
Dimensions (Sensor Head, Monitor and Handle)	335H x 88W x 35D mm	
Weight	930 g	

ORDERING INFORMATION	STANDARD	CABLE
Common Product Name	FLASH-500-55-W-IPL	
Add Extension for Cable		-C
Product Number	202064	202065

Specifications are subject to change without notice