

# FLASH-IPL

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



## KEY FEATURES

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  $\varnothing$  aperture to accommodate large beams
5. **RUGGED**  
All-metal body
  - High Damage Thresholds
6. **OPTIONAL WINDOW**  
For measurements with gel-coupled IPL heads. Protects the absorber, easy to clean

## AVAILABLE MODELS



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

## ACCESSORIES



Stand with Steel Post  
(Model Number: 201102)



Pelican Carrying Case

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# FLASH-IPL

## SPECIFICATIONS



\*Also traceable to NRC-CNRC

	FLASH-500-55-W-IPL	
<b>MAX PULSE ENERGY (SINGLE SHOT)</b>	350 J	
<b>EFFECTIVE APERTURE</b>	Round: 55 mm Ø	
<b>APERTURE TYPE</b>	Full Aperture with Quartz Window	
<b>MEASUREMENT CAPABILITY</b>	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)	
<b>DAMAGE THRESHOLDS</b>		
Maximum Average Power Density	45 kW/cm <sup>2</sup> (1064 nm, 10 W, CW)	
Pulsed Laser Damage Threshold	175 J/cm <sup>2</sup> (10 ms pulses)	
Maximum Allowable Absorber Temperature	65 °C	
<b>GENERAL SPECIFICATIONS</b>		
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	
<b>PHYSICAL CHARACTERISTICS</b>		
Effective Aperture	Round: 55 mm Ø	
Dimensions (Sensor Head, Monitor and Handle)	335H x 88W x 35D mm	
Weight	930 g	
<b>ORDERING INFORMATION</b>	<b>STANDARD</b>	<b>CABLE</b>
Common Product Name	FLASH-500-55-W-IPL	
Add Extension for Cable		-C
Product Number	202064	202065

Specifications are subject to change without notice