

# PRONTO-500-IPL

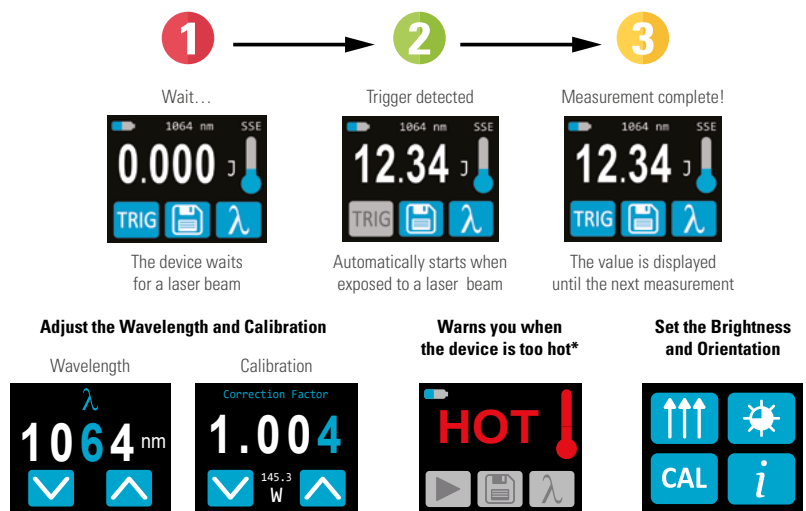
Portable laser probe for IPL sources, 2 - 350 J per pulse



## KEY FEATURES

- > **HIGH ENERGY PER PULSE**  
Accurate readings up to 350 J/pulse!
- > **EASY TO USE**  
The touchscreen color LCD allows for a friendly user interface. You can make a measurement with just the touch of a button!
- > **DATA LOGGING**  
Save your data to the internal memory and then transfer them to your PC over the USB connection.
- > **LARGE APERTURE**  
55 mm Ø aperture to accommodate large beams
- > **RUGGED**
  - All-metal body
  - High damage thresholds
- > **PROTECTIVE WINDOW**
  - For measurements with gel-coupled IPL heads.
  - Protects the absorber, easy to clean
- > **SERIAL COMMANDS**  
Serial commands are available to let you take full control of your PRONTO from your PC.

## USER INTERFACE (SSE MODE)



\* Device may get hot, it is not recommended for handheld use when making a measurement

## ACCESSORIES



Stand with steel post



Pelican carrying case

# PRONTO-500-IPL

## Specifications



\*Also traceable to NRC-CNRC



### PRONTO-500-IPL

<b>MAX PULSE ENERGY (SINGLE SHOT)</b>	350 J
<b>EFFECTIVE APERTURE</b>	55 mm $\emptyset$
<b>APERTURE TYPE</b>	Full aperture with protective window

#### MEASUREMENT CAPABILITY

Spectral range	0.19 - 2.5 $\mu\text{m}$
Calibrated spectral range	1064 nm
Energy range	2 - 350 J
Noise equivalent energy	500 mJ
Sensitivity	0.013 mV/J
Response time	2 s
Minimum repetition period	15 s (= time between measurements)
Maximum pulse width	433 ms
Accuracy	$\pm 5\%$

#### DAMAGE THRESHOLDS

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


#### GENERAL SPECIFICATIONS

Display type	Touchscreen Color LCD
Display size	28.0 x 35.0 mm (128 x 160 pixels)
Data storage	50 000 pts
Battery type	Rechargeable Li-ion
Battery life	17 hours or 4 200 measurements (with brightness set at 25%)
Battery recharge via	USB port

#### PHYSICAL CHARACTERISTICS

Effective aperture	55 mm $\emptyset$
Dimensions (sensor head)	88W x 88L x 32D mm (194L with handle)
Dimensions (monitor)	41W x 136L x 15D mm
Weight	930 g

#### ORDERING INFORMATION

Compatible stand	STAND-S-443
Product page	

POWER DETECTORS

ENERGY DETECTORS

BEAM PROFILING

TERAHERTZ DETECTORS

DISPLAYS & PC INTERFACES

CUSTOM / OEM PRODUCTS