

# HIGH-POWER PRONTO

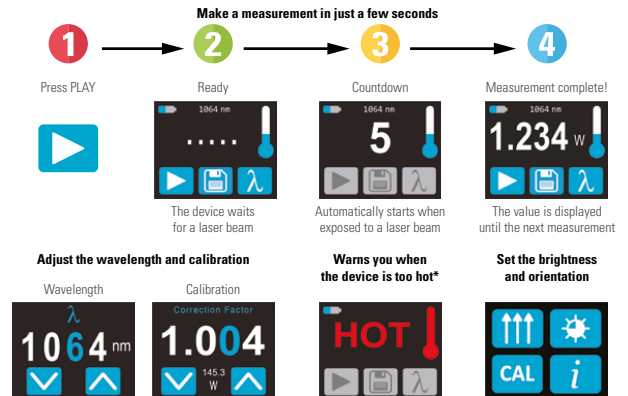
1 W - 10 kW high power probes with touchscreen controls



## KEY FEATURES

- **WIDE POWER RANGE**  
Very low noise level = wide power range with just one device
- **CONTINUOUS READINGS AT LOW POWERS**  
The PRONTO-500 includes a continuous power mode (CWP) for measurements up to 40 W.
- **NO-WAIT MEASUREMENTS**  
5 seconds measurements allow for very short cooling time (all models except PRONTO-3K)
- **EASY TO USE**  
The color LCD touchscreen 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
- **SERIAL COMMANDS**  
Serial commands are available to let you take full control of your PRONTO from your PC.

## USER INTERFACES (SSP MODE)



## ACCESSORIES



Stand with steel post







Pelican carrying case

# HIGH-POWER PRONTO

## Specifications

CE NIST\*  
Traceable  
IEEE 1905  
\*Also traceable to NRC-CNRC



	PRONTO-500	PRONTO-3K	PRONTO-6K	PRONTO-10K
<b>MAX AVERAGE POWER</b>				
SSP Mode (Measures Power in 5 s)	500 W	3000 W	6000 W	10 000 W
CWP Mode (Measures Power continuously)	40 W	N/A	N/A	N/A
<b>EFFECTIVE APERTURE</b>	55 mm Ø	55 mm Ø	55 mm Ø	55 mm Ø
<b>COOLING METHOD</b>	Convection	Convection	Convection	Convection
<b>MEASUREMENT CAPABILITY</b>				
Spectral range	0.19 - 20 µm	0.19 - 20 µm	0.19 - 20 µm	0.19 - 20 µm
Calibrated spectral range <sup>a</sup>	0.248 - 2.5 µm	0.248 - 2.5 µm	0.248 - 2.5 µm	0.248 - 2.5 µm
Noise equivalent power	0.1 W	5 W	20 W	30 W
Exposure time	5 s <sup>b</sup>	10 s	5 s	5 s
Calibration uncertainty	± 3% (± 2.5% in CWP mode)	± 5%	± 5%	± 5%
Number of readings before cooling <sup>c</sup> (Maximum exposure time before cooling)	100 W    25 (200 s) 200 W    12 (100 s) 300 W    8 (60 s) 500 W    5 (40 s)	0.5 kW    6 (72 s) 1 kW    3 (36 s) 1.5 kW    2 (24 s) 3 kW    1 (12 s)	1 kW    6 (36 s) 2 kW    3 (18 s) 3 kW    2 (12 s) 6 kW    1 (6 s)	1 kW    10 (60 s) 2 kW    5 (30 s) 5 kW    2 (12 s) 10 kW    1 (6 s)
<b>DAMAGE THRESHOLDS</b>				
Maximum average power density				
1064 nm, 100 W, CW	25 kW/cm <sup>2</sup>	---	---	---
1064 nm, 500 W, CW	5 kW/cm <sup>2</sup>	7 kW/cm <sup>2</sup>	---	---
1064 nm, 3000 W, CW	---	5 kW/cm <sup>2</sup>	8 kW/cm <sup>2</sup>	---
1064 nm, 6000 W, CW	---	---	7 kW/cm <sup>2</sup>	7 kW/cm <sup>2</sup>
1064 nm, 10 000 W, CW	---	---	-	5.5 kW/cm <sup>2</sup>
Maximum allowable casing temperature	65 °C	65 °C	75 °C	75 °C
<b>GENERAL SPECIFICATIONS</b>				
Display type	Touchscreen color LCD	Touchscreen color LCD	Touchscreen color LCD	Touchscreen color LCD
Display size	28.0 x 35.0 mm (128 x 160 pixels)	28.0 x 35.0 mm (128 x 160 pixels)	28.0 x 35.0 mm (128 x 160 pixels)	28.0 x 35.0 mm (128 x 160 pixels)
Data storage	50 000 pts	50 000 pts	50 000 pts	50 000 pts
Battery type	Rechargeable Li-ion	Rechargeable Li-ion	Rechargeable Li-ion	Rechargeable Li-ion
Battery life	17 hours or 4 200 measurements (with brightness set at 25%)	17 hours or 4 200 measurements (with brightness set at 25%)	17 hours or 4 200 measurements (with brightness set at 25%)	17 hours or 4 200 measurements (with brightness set at 25%)
Battery recharge via	USB port	USB port	USB port	USB port
<b>PHYSICAL CHARACTERISTICS</b>				
Effective aperture	55 mm Ø	55 mm Ø	55 mm Ø	55 mm Ø
Dimensions (sensor head)	88W x 88L x 32D mm	88W x 88L x 43D mm	88W x 88L x 36D mm	88W x 88L x 46D mm
Dimensions (monitor)	41W x 140L x 16D mm	41W x 140L x 16D mm	41W x 140L x 16D mm	41W x 140L x 16D mm
Weight	930 g	1240 g	1520 g	2150 g
<b>ORDERING INFORMATION</b>				
Compatible stand	STAND-S-443	STAND-S-443	STAND-S-443	STAND-S-443
Product page				

a. For calibration at 10.6 µm, add C02-CAL-UP-2 to the order  
b. Response time in CWP mode is 2 s.  
c. Assuming an exposure time of 8 seconds and for 25°C starting temperature.

Specifications are subject to change without notice