

PRONTO

1 W - 10 kW High Power Probes with Touch Screen Controls



KEY FEATURES

- 1. WIDE POWER RANGE**
Very low noise level = wide power range with just one device
- 2. CONTINUOUS READINGS AT LOW POWERS**
The Pronto-500 includes a continuous power mode (CWP) for measurements up to 40 W.
- 3. NO-WAIT MEASUREMENTS**
5 seconds measurements allow for very short cooling time (all models except PRONTO-3K)
- 4. EASY-TO-USE**
The touch screen color LCD allows for a friendly user interface. You can make a measurement with just the touch of a button!
- 5. DATA LOGGING**
Save your data to the internal memory and then transfer it to your PC over the USB connection.
- 6. LARGE APERTURE**
55 mm Ø aperture to accommodate large beams
- 7. RUGGED**
 - All-metal body
 - High Damage Thresholds
- 8. SERIAL COMMANDS**
Serial commands are available to let you take full control of your Pronto from your PC.

AVAILABLE MODELS



PRONTO-500
(500 W)



PRONTO-3K
(3 kW)



PRONTO-(6K/10K)
(6 & 10 kW)

USER INTERFACE (SSP MODE)

Make a measurement in just a few seconds

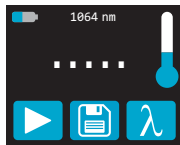
1

Press PLAY



2

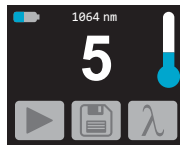
Ready



The device waits for a laser beam

3

Countdown



Automatically starts when exposed to a laser beam

4

Measurement complete!



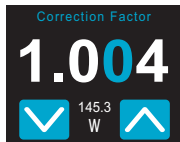
The value is displayed until the next measurement

Adjust the Wavelength and Calibration

Wavelength



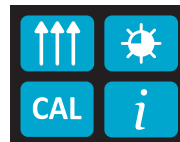
Calibration



Warns you when the device is too hot*



Set the Brightness and Orientation



ACCESSORIES



Stand with Steel Post
(Model Number: 200234)



Pelican Carrying Case

PRONTO



*Also traceable to NRC-CNRC

SPECIFICATIONS

	PRONTO-500	PRONTO-3K	PRONTO-6K	PRONTO-10K				
MAX AVERAGE POWER								
SSP Mode (Measures Power in 5 sec)	500 W	3 000 W	6 000 W	10 000 W				
CWP Mode (Measures Power continuously)	40 W	N/A	N/A	N/A				
EFFECTIVE APERTURE								
	55 mm Ø	55 mm Ø	55 mm Ø	55 mm Ø				
COOLING METHOD								
	Convection	Convection	Convection	Convection				
MEASUREMENT CAPABILITY								
Spectral Range	0.19 – 20 µm							
Calibrated Spectral Range ^a	0.248 - 2.5 µm and typical 10.6 µm							
Noise Equivalent Power	0.1 W	5 W	20 W	30 W				
Exposure Time	5 sec ^b	10 sec	5 sec	5 sec				
Calibration Uncertainty	±3 % (±2.5 % in CWP mode)	±5 %	±5 %	±5 %				
Number of Readings Before Cooling ^c	100 W	25 (200 sec)	0.5 kW	6 (72 sec)	1 kW	6 (36 sec)	1 kW	10 (60 sec)
(Maximum Exposure Time Before Cooling)	200 W	12 (100 sec)	1 kW	3 (36 sec)	2 kW	3 (18 sec)	2 kW	5 (30 sec)
	300 W	8 (60 sec)	1.5 kW	2 (24 sec)	3 kW	2 (12 sec)	5 kW	2 (12 sec)
	500 W	5 (40 sec)	3 kW	1 (12 sec)	6 kW	1 (6 sec)	10 kW	1 (6 sec)
DAMAGE THRESHOLDS								
Maximum Average Power Density								
1064 nm, 100 W, CW	25 kW/cm ²	---	---	---				
1064 nm, 500 W, CW	5 kW/cm ²	7 kW/cm ²	---	---				
1064 nm, 3000 W, CW	---	5 kW/cm ²	8 kW/cm ²	---				
1064 nm, 6000 W, CW	---	---	7 kW/cm ²	7 kW/cm ²				
1064 nm, 10000 W, CW	---	---	---	5.5 kW/cm ²				
Maximum Allowable Casing Temperature	65 °C	65 °C	75 °C	75 °C				
GENERAL SPECIFICATIONS								
Display Type	Touch Screen Color LCD							
Display Size	28.0 x 35.0 mm (128 x 160 pixels)							
Backlight	Adjustable							
Internet Upgrades Via	USB port							
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							
Operating Temperature Range	15 - 28 °C (max 80% RH)							
PHYSICAL CHARACTERISTICS								
Effective Aperture	55 mm Ø	55 mm Ø	55 mm Ø	55 mm Ø				
Dimensions (Sensor Head)	88W x 88L x 32D mm (194L with handle)	88W x 88L x 36D mm (194L with handle)	88W x 88L x 36D mm (194L with handle)	88W x 88L x 46D mm (194L with handle)				
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				
ORDERING INFORMATION								
Common Product Name	Pronto-500	Pronto-3K	Pronto-6K	Pronto-10K				
Product Number (without stand)	203466	203468	203469	203470				
Specifications are subject to change without notice // Compatible stand: P/N 200234								

a. For calibration at 10.6 µm, add C02-CAL-UP-1 to the order
 b. Response time in CWP mode is 2 sec.
 c. Assuming an exposure time of 8 seconds and for 25°C starting temperature.