

PRONTO

PRELIMINARY

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

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!



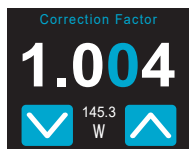
The value is displayed until the next measurement

Adjust the Wavelength and Calibration

Wavelength



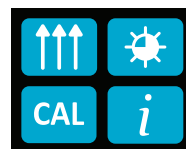
Calibration



Warns you when the device is too hot*



Set the Brightness and Orientation



ACCESSORIES



Stand with Steel Post
(Model Number: 201102)



Pelican Carrying Case

MONITORS

ENERGY DETECTORS

POWER DETECTORS

HIGH POWER SOLUTIONS

PHOTO DETECTORS

THZ DETECTORS

OEM DETECTORS

SPECIAL PRODUCTS

BEAM DIAGNOSTICS

PRONTO

PRELIMINARY

SPECIFICATIONS

NEW

PRONTO-500*

NEW

PRONTO-3K**

NEW

PRONTO-6K**

NEW

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

COOLING METHOD

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				
Response Time	5 sec	10 sec	5 sec	5 sec				
Calibration Uncertainty	±3 %	±5 %	±5 %	±5 %				
Number of Readings Before Cooling	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 Absorber 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			
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			
Weight	930 g	1240 g	1520 g	2150 g

ORDERING INFORMATION

Common Product Name	Pronto-500	Pronto-3K	Pronto-6K	Pronto-10K
Product Number	203466	203468	203469	203470

Specifications are subject to change without notice

* Available in May 2017 **Available in August 2017

a. For calibration at 10.6 µm, add C02-CAL-UP-1 to the order