

PRONTO

1 W - 10 kW High Power Probes with Touch Screen 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 touch screen 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 it to your PC over the USB connection.
- LARGE APERTURE**
55 mm Ø aperture to accommodate large beams
- 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

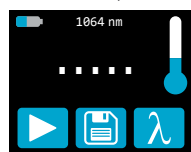
1

Press PLAY



2

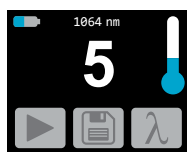
Ready



The device waits for a laser beam

3

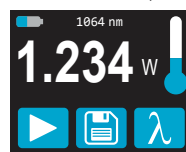
Countdown



Automatically starts when exposed to a laser beam

4

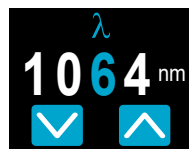
Measurement complete!



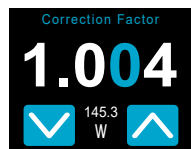
The value is displayed until the next measurement

Adjust the Wavelength and Calibration

Wavelength



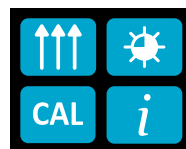
Calibration



Warns you when the device is too hot*



Set the Brightness and Orientation



ACCESSORIES



Stand with Steel Post
(Model Number: 200234)



Pelican Carrying Case

PRONTO



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 (2 sec in CWP mode)		10 sec		5 sec		5 sec	
Calibration Uncertainty		±3 % (±2.5 % in CWP mode)		±5 %		±5 %		±5 %	
Number of Readings Before Cooling ^b		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/cm²		---		---		---	
1064 nm, 500 W, CW		5 kW/cm²		7 kW/cm²		---		---	
1064 nm, 3000 W, CW		---		5 kW/cm²		8 kW/cm²		---	
1064 nm, 6000 W, CW		---		---		7 kW/cm²		7 kW/cm²	
1064 nm, 10000 W, CW		---		---		—		5.5 kW/cm²	
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							
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 36D mm (194L with handle)	88W x 88L x 46D mm (194L with handle)	88W x 88L x 46D 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	1520 g	2150 g	2150 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. Assuming an exposure time of 8 seconds and for 25°C starting temperature.