

# PRONTO-250

0.5 W - 250 W Power Probe with Touch Screen Controls



## KEY FEATURES

- 1. POCKET-SIZE**  
This mid to high power laser probe is so compact it fits in your pocket!
- 2. 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!
- 3. USER SETTABLE**  
You can set the wavelength, brightness and screen orientation to adapt to your application
- 4. DATA LOGGING**  
Save your data to the internal memory and then transfer it to your PC over the USB connection.
- 5. FROM LOW TO HIGH POWERS**  
Thanks to a low noise level and high damage threshold, the Pronto can measure powers from 0.5 W to 250 W
- 6. YAG OR CO<sub>2</sub> CALIBRATION**  
2 models available:
  - Pronto-250: Calibrated at every wavelength between 248 nm and 2.5 μm, with a typical value at 10.6 μm
  - Pronto-250-CO<sub>2</sub>: Calibrated at 10.6 μm
- 7. HANDS-FREE OPERATION**  
Place it on a flat surface or use one of the 2 threaded holes that we have integrated in the casing for safe use with optical stands.

## USER INTERFACE

**Make a measurement in just a few seconds**

1 → 2 → 3 → 4

**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

**5** Warns you when the device is too hot\*

**Adjust the Wavelength and Calibration**

Wavelength: 1064 nm

Calibration: Correction factor 1.004

**Set the Brightness and Orientation**

## HANDS-FREE

**DATA TRANSFER TO PC**

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

MONITORS  
ENERGY DETECTORS  
POWER DETECTORS  
HIGH POWER SOLUTIONS  
PHOTO DETECTORS  
THZ DETECTORS  
OEM DETECTORS  
SPECIAL PRODUCTS  
BEAM DIAGNOSTICS

# PRONTO-250

## SPECIFICATIONS

	PRONTO-250	PRONTO-250-CO <sub>2</sub>
<b>MAX AVERAGE POWER</b>	250 W	
<b>EFFECTIVE APERTURE</b>	19 mm Ø	
<b>INTERFACE</b>	Touch Screen Color LCD Display	
<b>MEASUREMENT CAPABILITY</b>		
Spectral Range	0.19 - 20 µm	
Calibrated Spectral Range	0.248 – 2.5 µm <sup>a</sup>	10.6 µm
Noise Equivalent Power	10 mW	
Minimum Measurable Power	0.5 W	
Response Time	5 sec	
Measurement Accuracy	± 3 %	
Display Resolution	1 mW	
<b>DAMAGE THRESHOLDS</b>		
Maximum Average Power Density <sup>b</sup>	45 kW/cm <sup>2</sup>	
Maximum Exposure Time	5 sec	
Maximum Device Temperature	65°C	
<b>USER INTERFACE</b>		
Measurement Controls	Wavelength Selection and User Calibration	
Data Acquisition and Transfer	Simple On/Off Controls, saves to on-board memory and transfers data to the PC using the USB connection	
Screen Personalization	Orientation and Brightness controls	
Battery Indicator	On-screen indicator with 4 levels	
<b>GENERAL SPECIFICATIONS</b>		
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)	
<b>PHYSICAL CHARACTERISTICS</b>		
Effective Aperture	19 mm Ø	
Absorber	H9	
Mounting Holes (for Post)	2 x 8-32	
Dimensions	41.0W x 181.4L x 17.0D	
Weight	210 g	
<b>ORDERING INFORMATION</b>		
Product Name	PRONTO-250	PRONTO-250-CO <sub>2</sub>
Product Number	202917	202992

Specifications are subject to change without notice

a. With typical value at 10.6 µm  
b. At 1064 nm, 10 W, CW.