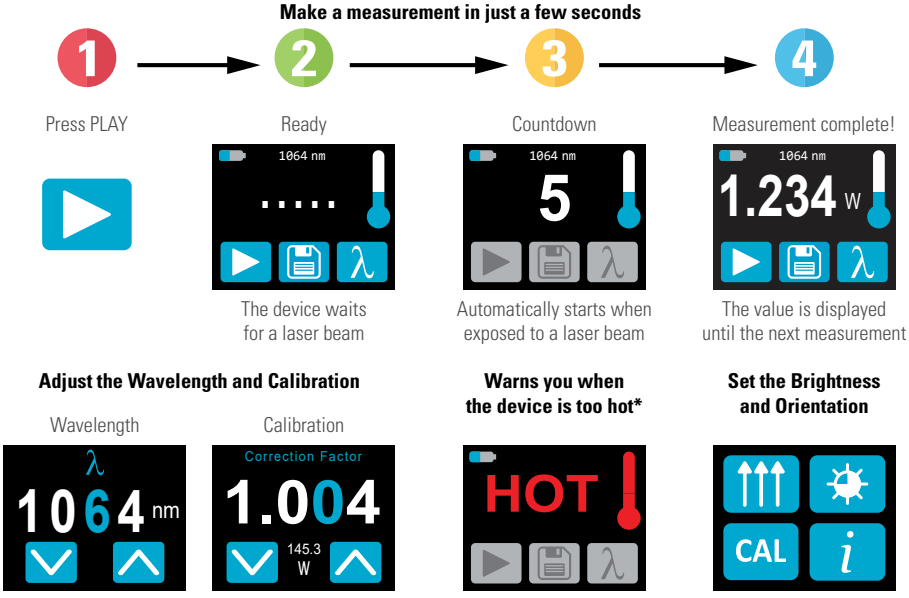
PRONTO-250

0.5 W - 250 W Power Probes with Touch Screen Controls

USER INTERFACE (SSP MODE)

Make a measurement in just a few seconds



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

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 SETABLE**
   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 AND CO_2 CALIBRATIONS**
   The Pronto-250 comes fully calibrated: every wavelength between 248 nm and 2.5 µm (YAG), and a real calibration at 10.6 µm (CO_2).
   NEW The Pronto-250-PLUS has an additional calibration for Single-Shot Energy measurements.

7. **HANDS-FREE OPERATION**
   Place it on a flat surface or use one of the 2 threaded holes for safe use with optical stands.

2 MODELS FOR ALL YOUR MEASUREMENT NEEDS

The regular **Pronto-250** is very easy to use and will give you accurate one shot measurements, thanks to its unique Measurement Mode:

- Single Shot Power (SSP): Up to 250 W

NEW The new **Pronto-250-PLUS** model comes with 3 Measurement Modes and can be used in a variety of applications:

- Single Shot Power (SSP): Up to 250 W
- Continuous Power (CWP): Up to 8 W
- Single Shot Energy (SSE): Up to 25 J


HANDS-FREE


DATA TRANSFER TO PC

PRONTO-250

CE NIST* Traceable WEEE/RoHS COMPLIANT

*Also traceable to NRC-CNRC

SPECIFICATIONS

NEW

	PRONTO-250	PRONTO-250-PLUS		
		SSP Mode Measures in 5 sec	CWP Mode Measures Power continuously	SSE Mode Measures in less than 0.5 sec
MAX AVERAGE POWER/ENERGY	250 W	250 W	8 W	25 J
EFFECTIVE APERTURE	19 mm Ø	19 mm Ø		
INTERFACE	Touch Screen Color LCD Display	Touch Screen Color LCD Display		
MEASUREMENT CAPABILITY				
Spectral Range	0.19 - 20 µm	0.19 - 20 µm		
Calibrated Spectral Range	0.248 – 2.5 µm and 10.6 µm	0.248 – 2.5 µm and 10.6 µm		
Noise Equivalent Power/Energy	10 mW	10 mW	10 mW	60 mJ
Minimum Measurable Power/Energy	0.5 W	0.5 W	0.2 W	N/A
Response Time	5 sec	5 sec	1.5 sec	0.26 sec
Measurement Accuracy	± 3 %	± 3 %	± 3 %	± 5 %
Min Repetition Period (Max Pulse Width)	N/A	N/A	N/A	4 sec (88 ms)
Display Resolution	1 mW	1 mW	1 mW	10 mJ
DAMAGE THRESHOLDS				
Maximum Average Power Density [a]	45 kW/cm² (at 1064 nm, 10 W, CW) / 14 kW/cm² (at 10.6 µm, 10 W, CW)			
Maximum Exposure Time [b]	6 sec	6 sec	N/A	N/A
Maximum Device Temperature [b]	65°C	65°C	40°C	40°C
USER INTERFACE				
Measurement Controls	Wavelength Selection and User Calibration			
Measurement Modes	Single Shot Power (SSP)	Single Shot Power (SSP), Continuous Power (CWP) and Single Shot Energy (SSE)		
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			
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	19 mm Ø			
Absorber	H9			
Mounting Holes (for Post)	2 x 8-32			
Dimensions	59.0W x 181.4L x 17.0D			
Weight	210 g			
ORDERING INFORMATION				
Product Name	PRONTO-250	PRONTO-250-PLUS		
Product Number	202917	203208		

Specifications are subject to change without notice

a. To get all the damage thresholds, see User Manual

b. At maximum power

T 418.651.8003 | 1888 5GENTEC | F 418.651.1174 | info@gentec-eo.com

gentec-eo.com