

PRONTO-250

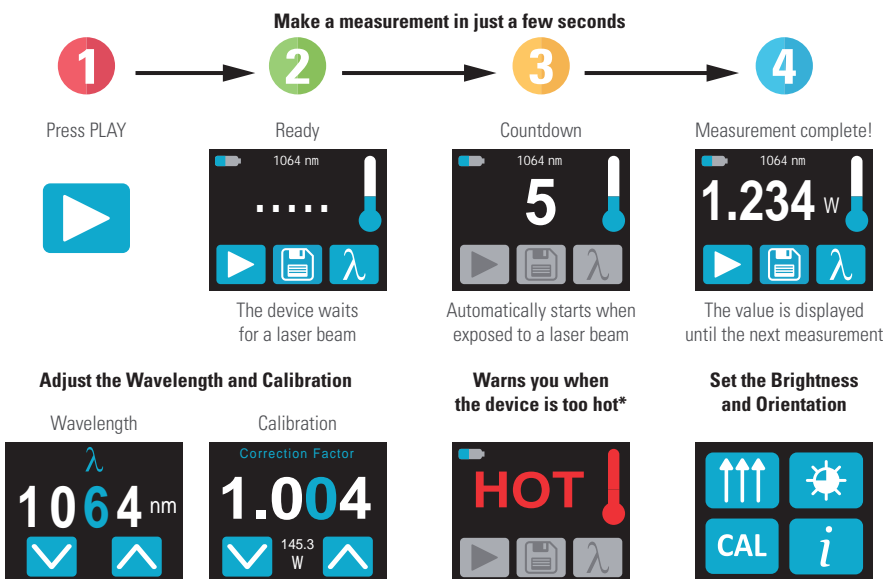
0.5 W - 250 W Power Probes with Touch Screen Controls



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. DATA LOGGING**
Save your data to the internal memory and then transfer it to your PC over the USB connection.
- 4. 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.
- 5. YAG AND CO₂ 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 (CO₂).
The Pronto-250-PLUS has an additional calibration for Single-Shot Energy measurements.
- 6. HANDS-FREE OPERATION**
Place it on a flat surface or use one of the 2 threaded holes for safe use with optical stands.
- 7. NEW SERIAL COMMANDS**
Serial commands are available to let you take full control of your Pronto from your PC.

USER INTERFACE (SSP MODE)



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

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



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

PRONTO-250



*Also traceable to NRC-CNRC

SPECIFICATIONS

| | 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 (up to 150 J for pulses >1 ms) |
| 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 |
| Exposure Time | 5 sec | 5 sec | 1.5 sec response time | 0.26 sec |
| Measurement Accuracy | ± 3 % | ± 3 % | ± 2.5 % | ± 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/cm ² (at 1064 nm, 10 W, CW) / 14 kW/cm ² (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 | Touch Screen Color LCD | | |
| Display Size | 28.0 x 35.0 mm (128 x 160 pixels) | 28.0 x 35.0 mm (128 x 160 pixels) | | |
| Backlight | Adjustable | Adjustable | | |
| Internet Upgrades Via | USB port | USB port | | |
| Data Storage | 50,000 pts | 50,000 pts | | |
| Battery Type | Rechargeable Li-ion | Rechargeable Li-ion | | |
| Battery Life | 17 hours or 4 200 measurements (with brightness set at 25%) | 17 hours or 4 200 measurements (with brightness set at 25%) | | |
| Battery Recharge Via | USB port | USB port | | |
| Operating Temperature Range | 15 - 28 °C (max 80% RH) | 15 - 28 °C (max 80% RH) | | |
| PHYSICAL CHARACTERISTICS | | | | |
| Effective Aperture | 19 mm Ø | 19 mm Ø | | |
| Absorber | H9 | H9 | | |
| Mounting Holes (for Post) | 2 x 8-32 | 2 x 8-32 | | |
| Dimensions | 59.0W x 181.4L x 17.0D | 59.0W x 181.4L x 17.0D | | |
| Weight | 210 g | 210 g | | |
| ORDERING INFORMATION | | | | |
| Product Name | PRONTO-250 | PRONTO-250-PLUS | | |
| Product Number (without stand) | 202917 | 203208 | | |

Specifications are subject to change without notice // Compatible stand: P/N 200160

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