

PRONTO-50

0.5 W - 50 W Power Probes with Touch Screen Controls

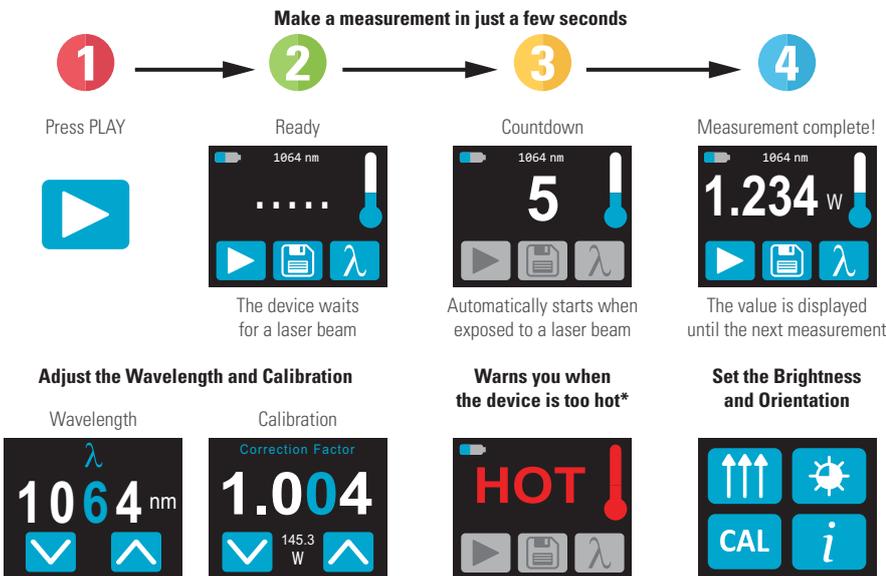


KEY FEATURES

- 1. POCKET-SIZE**
This mid-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. IDEAL FOR TIGHTLY FOCUSED BEAMS**
The specialized, very high damage threshold absorber is perfect for high power densities.
- 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. SERIAL COMMANDS**
Serial commands are available to let you take full control of your PRONTO from your PC.

USER INTERFACE (SSP MODE)

HAND-FREE



DATA TRANSFER TO PC



DISPLAYS & PC INTERFACES

ENERGY DETECTORS

POWER DETECTORS

HIGH POWER SOLUTIONS

PHOTODETECTORS

THZ DETECTORS

OEM DETECTORS

SPECIAL PRODUCTS

BEAM DIAGNOSTICS

PRONTO-50

SPECIFICATIONS

NEW PRONTO-50-W5

MAX AVERAGE POWER/ENERGY	50 W
EFFECTIVE APERTURE	19 mm Ø
INTERFACE	Touch Screen Color LCD Display

MEASUREMENT CAPABILITY

Spectral Range	0.19 - 10 µm
Calibrated Spectral Range	0.248 – 2.5 µm
Noise Equivalent Power/Energy	4 mW
Minimum Measurable Power/Energy	0.5 W
Response Time	5 sec
Measurement Accuracy	± 3 %
Min Repetition Period	15 Hz
Display Resolution	1 mW

DAMAGE THRESHOLDS

Maximum Average Power Density ^a	100 kW/cm ² (at 1064 nm, 10 W, CW)
Maximum Exposure Time ^b	6 sec
Maximum Device Temperature ^b	65°C

USER INTERFACE

Measurement Controls	Wavelength Selection and User Calibration
Measurement Modes	Single Shot Power (SSP)
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	W5
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-50-W5
Product Number (without stand)	203794

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

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

b. At maximum power