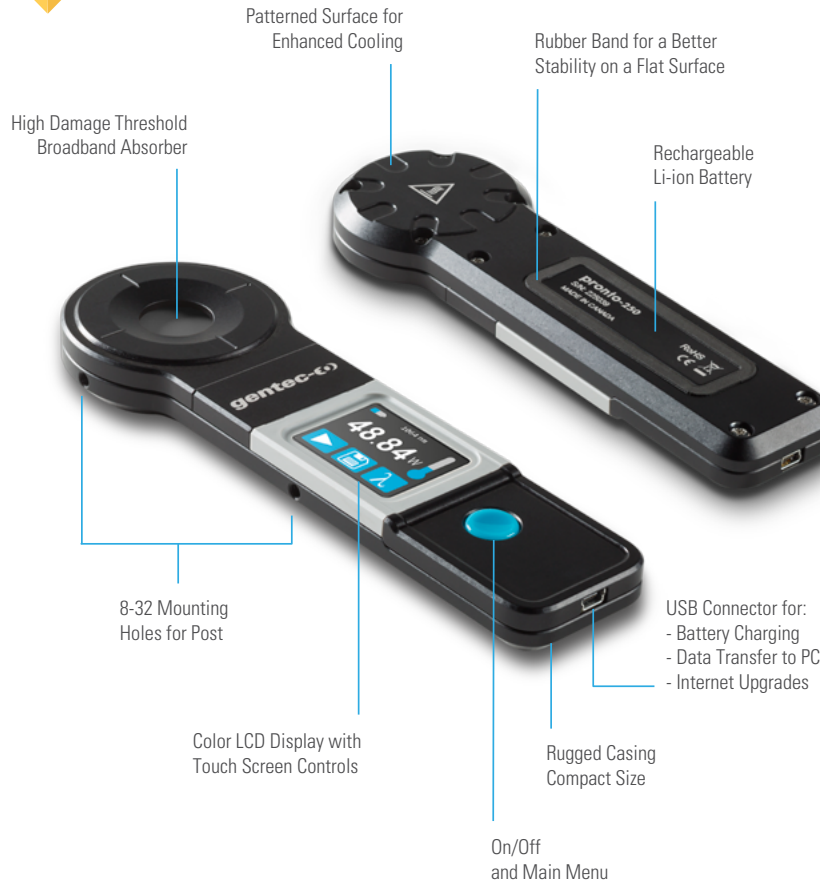


# PRONTO-50

0.5 W - 50 W Power Probes with Touch Screen Controls

NEW



## 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 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. 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)

Make a measurement in just a few seconds

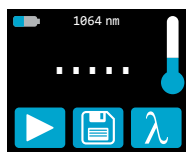
1

Press PLAY



2

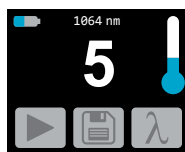
Ready



The device waits for a laser beam

3

Countdown



Automatically starts when exposed to a laser beam

4

Measurement complete!



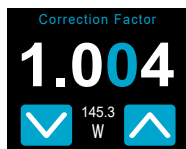
The value is displayed until the next measurement

### Adjust the Wavelength and Calibration

Wavelength



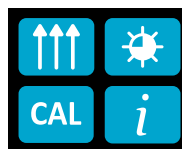
Calibration



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



### Set the Brightness and Orientation



## HAND-FREE



## DATA TRANSFER TO PC



# 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 <sup>a</sup>	100 kW/cm <sup>2</sup> (at 1064 nm, 10 W, CW)
Maximum Exposure Time <sup>b</sup>	6 sec
Maximum Device Temperature <sup>b</sup>	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