

## PRONTO-50-W5

Portable laser power meter for up to 50 W.



### PRODUCT FAMILY KEY FEATURES

#### POCKET-SIZE

This mid to high power handheld probe is so compact it fits in your pocket!

#### 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!

#### USER SETTABLE

You can set the wavelength, brightness and screen orientation to adapt to your application.

#### DATA LOGGING

Save your data to the internal memory and then transfer it to your PC over the USB connection.

#### FROM LOW TO HIGH POWERS

Thanks to a low noise level and high damage threshold, the PRONTO can measure powers from 1 W to 50 W.

#### FULLY CALIBRATED

The PRONTO-50-W5 comes fully calibrated: every wavelength between 248 nm and 2.5  $\mu\text{m}$ .

#### 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.

#### COMPATIBLE STAND

[STAND-S-233](#)

## SPECIFICATIONS

### MEASUREMENT CAPABILITIES

|                               |                          |
|-------------------------------|--------------------------|
| Maximum average power         | 50 W                     |
| Minimum average power         | 0.5 W                    |
| Noise equivalent power        | 4 mW                     |
| Spectral range <sup>1</sup>   | 0.193 - 10 $\mu\text{m}$ |
| Power calibration uncertainty | $\pm 3\%$                |
| Exposure time                 | 5 s                      |

1. For the calibrated spectral range, see the user manual.

### DAMAGE THRESHOLDS

|  |                        |
|--|------------------------|
| Maximum average power density <sup>1</sup> | 100 kW/cm <sup>2</sup> |
| Maximum energy density <sup>2</sup>        | 1.1 J/cm <sup>2</sup>  |
| Maximum allowable casing temperature       | 65 °C                  |

1. At 1064 nm, 10 W CW. May vary with wavelength and average power.  
2. At 1064 nm, 7 ns, 10 Hz. May vary with wavelength and pulse width.

### CONTROLLER AND GUI SPECIFICATIONS

|                    |   |
|--------------------|---|
| Battery type       | Rechargeable Li-ion   |
| Battery life       | 17 hours or 4,200 measurements (with brightness set at 25%) |
| Display resolution | 1 mW  |
| Display size       | 28.0 x 35.0 mm (128 x 160 pixels)                           |
| Display type       | Touch Screen Color LCD                                      |
| Backlight          | Adjustable  |

|                                 |                        |
|---------------------------------|------------------------|
| Internet upgrades via           | USB                    |
| Data storage                    | 50,000 pts             |
| Battery recharge via            | USB                    |
| <b>PHYSICAL CHARACTERISTICS</b> |                        |
| Aperture diameter               | 19 mm                  |
| Absorber                        | W                      |
| Dimensions                      | 59.0W x 181.4L x 17.0D |
| Weight                          | 0.21 kg                |
| Mounting holes                  | 2 x 8-32               |
| <b>ORDERING INFORMATION</b>     |                        |
| PRONTO-50-W5                    | 203794                 |

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

## INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at [gentec-eo.com/contact-us](http://gentec-eo.com/contact-us)