

## PRONTO-250-FLEX-Y

Portable laser power meter for up to 250 W. Includes 3 measurement modes: SSP, CWP and SSE.



### PRODUCT FAMILY KEY FEATURES

#### NEW! THE FLEXIBILITY TO PICK THE CALIBRATIONS YOU NEED

The PRONTO-250-FLEX offers three calibration options so you only pay for what you need:

- Default calibration "Y": for visible to NIR wavelengths (248 nm to 2.5  $\mu\text{m}$ )
- Additional calibration "C": for CO<sub>2</sub> lasers (10.6  $\mu\text{m}$ )
- Additional calibration "E": for energy measurements with  $\pm 5\%$  accuracy

#### POCKET-SIZE

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

#### EASY-TO-USE

The touchscreen color LCD allows for a friendly user interface. You can make a measurement with just the touch of a button!

#### 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-250-FLEX can measure powers from 0.5 W to 250 W.

#### 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.

#### SERIAL COMMANDS

Serial commands are available to let you take full control of your PRONTO from your PC.

#### COMPATIBLE STAND

[STAND-S-233](#)

## SPECIFICATIONS

### MEASUREMENT CAPABILITIES

Maximum average power	250 W
Minimum average power	0.5 W
Noise equivalent power	10 mW
Spectral range <sup>1</sup>	0.193 - 20 $\mu\text{m}$
Typical rise time	1.5 s
Power calibration uncertainty	$\pm 3\%$
Exposure time	5 s

1. Calibrated spectral range: 0.248 - 2.5  $\mu\text{m}$  (default)  
10.6  $\mu\text{m}$  available with calibration option "C".

### MEASUREMENT CAPABILITIES (ENERGY MODE)

Maximum measurable energy	25 J
Noise equivalent energy	60 mJ
Minimum repetition period	4 s
Maximum pulse width	88 ms
Energy calibration uncertainty <sup>1</sup>	$\pm 5\%$

1. With additional calibration "E". Typical value as default.

## CONTINUOUS POWER MODE

Maximum average power (continuous)	8 W
Response time	1.5 s

## DAMAGE THRESHOLDS

Maximum average power density <sup>1</sup>	45 kW/cm <sup>2</sup>
Maximum allowable casing temperature	65 °C

1. At 1064 nm, 10 W CW. May vary with wavelength and average power.

## 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

## PHYSICAL CHARACTERISTICS

Aperture diameter	19 mm
Absorber	H9
Dimensions	59.0W x 181.4L x 17.0D
Weight	0.21 kg
Mounting holes	2 x 8-32

## ORDERING INFORMATION

PRONTO-250-FLEX-Y	205654Y
PRONTO-250-FLEX-YC	205654YC
PRONTO-250-FLEX-YCE	205654YCE

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)