PRONTO-250-EZ-Y

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



PRODUCT FAMILY KEY FEATURES

NEW: EASY TO CLEAN

Adapted to dirty environments, the PRONTO-250-EZ offers the same performance as PRONTO-250-FLEX, with the added advantage that it can be cleaned on-the-go.

THE FLEXIBILITY TO PICK THE CALIBRATIONS YOU NEED

The PRONTO-250-EZ 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 µm)
- Additional calibration “C”: for CO_2 lasers (10.6 µm)
- Additional calibration “E”: for energy measurements with ± 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[1]	0.193 - 20 µm
Typical rise time	1.5 s
Power calibration uncertainty	±3 %
Exposure time	5 s

1. Calibrated spectral range: 0.248 - 2.5 µm (default)
10.6 µm 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	±5 %

CONTINUOUS POWER MODE

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

DAMAGE THRESHOLDS

Maximum average power density[1]	65 kW/cm²
Maximum energy density[2]	1.5 J/cm²
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

PHYSICAL CHARACTERISTICS

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

ORDERING INFORMATION

PRONTO-250-EZ-Y	206120Y
PRONTO-250-EZ-YC	206120YC
PRONTO-250-EZ-YCE	206120YCE

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