PRONTO-250-PLUS

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



PRODUCT FAMILY KEY FEATURES

THIS PRODUCT HAS BEEN SUPERSEDED. CHECK THIS PAGE FOR THE NEW PRODUCT.

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!

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 250 W.

FULLY CALIBRATED

The PRONTO-250 comes fully calibrated: every wavelength between 248 nm and 2.5 µm (YAG), and a real calibration at 10.6 µm (CO_2). The PRONTO-250-PLUS has all these calibrations and is also calibrated for energy measurements.

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	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. Included calibrations: 248 nm to 2.5 µm (YAG), 10.6 µm (CO_2) and single-shot energy.

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]	45 kW/cm²
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-PLUS	203208

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