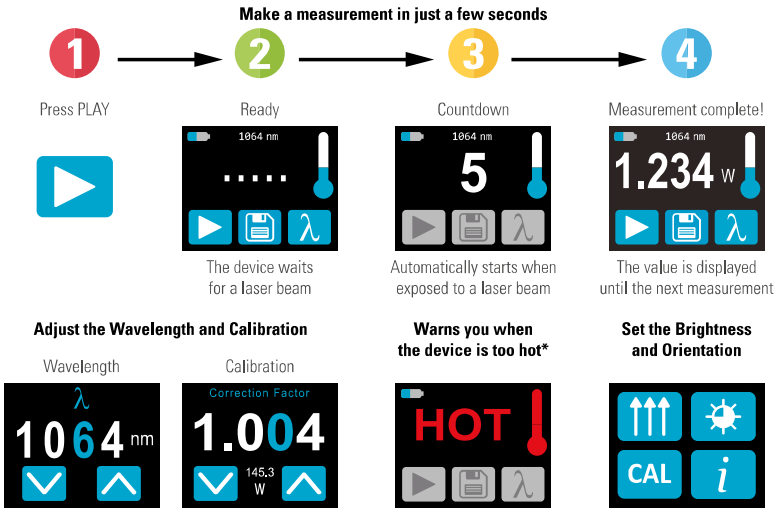
PRONTO

0.5 W - 250 W power probes with touchscreen controls

USER INTERFACES (SSP MODE)



** Device may get hot, it is not recommended for handheld use when making a measurement*

KEY FEATURES

POCKET-SIZE
This mid to high power laser probe is so compact it fits in your pocket!

EASY TO USE
The color LCD touchscreen 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 them 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 0.5 W to 250 W.

YAG AND CO_2 CALIBRATIONS
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 an additional calibration for Single-Shot Energy measurements.

HANDS-FREE OPERATION
Place it on a flat surface or use one of the 2 threaded holes for safe use with optical stands.

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

3 MODELS FOR ALL YOUR MEASUREMENT NEEDS

PRONTO-250
PRONTO-250 is very easy to use and will give you accurate one shot measurements, thanks to its unique measurement mode:
- Single shot power (SSP): up to 250 W

PRONTO-250-PLUS
PRONTO-250-PLUS comes with 3 measurement modes and can be used in a variety of applications:
- Single shot power (SSP): up to 250 W
- Continuous power (CWP): up to 8 W
- Single shot energy (SSE): up to 25 J

PRONTO-50-W5
This model has our propreitary absorber with extremely high damage thresholds to handle tightly focused beams without damaging the absorber.
- Single shot power (SSP): up to 50 W

CONNECTIVITY

HANDS-FREE

DATA TRANSFER TO PC

PRONTO
Specifications

CE NIST* Traceable WEEE/RoHS COMPLIANT

*Also traceable to NRC-CNRC

	PRONTO-250	PRONTO-250-PLUS			PRONTO-50-W5
		SSP Mode Measures in 5 s	CWP Mode Measures power continuously	SSE Mode Measures in less than 0.5s	
MAX AVERAGE POWER/ENERGY	250 W	250W	aW	25J (up to 150 J for pulses >1 ms)	SOW
EFFECTIVE APERTURE	19mm(/J	19mm(/J			19mm(/J
INTERFACE	Touchscreen color LCD display	Touchscreen color LCD display			Touchscreen color LCD display
MEASUREMENT CAPABILITY					
Spectral range	0.19-20 µm	0.19-20 µm			0.19-10 µm
Calibrated spectral range	0.248 - 2.5 µm and 10.6 µm	0.248 - 2.5 µm and 10.6 µm			0.248 - 2.5 µm
Noise equivalent power/energy	10 mW	10mW	10mW	60mJ	4mW
Minimum measurable power/energy	0.5 w	0.5W	0.2W	N/A	0.5W
Exposure time	5 s	5 s	1.5 s response time	0.26s	5 s
Measurement accuracy	± 3%	±3%	±2.5%	±5%	±3%
Min repetition period (Max pulse width)	N/A	N/A	N/A	4 s (88 ms)	N/A
Display resolution	1mW	1mW	1mW	10mJ	1mW
DAMAGE THRESHOLDS					
Maximum average power density[a]	45 kW/cm² (at 1064 nm, 10 w, CW) 14 kW/cm² (at 10.6 µm, 10 w, CW)	45 kW/cm² (at 1064 nm, 10 W, CW) 14 kW/cm² (at 10.6 µm, 10 w, CW)			100 kW/cm² (at 1064 nm, 10 W, CW)
Maximum exposure time[a]	6 s	6 s	N/A	N/A	6 s
Maximum device temperature[b]	65°C	65°C	40°C	40°C	65°C
USER INTERFACE					
Measurement controls	Wavelength selection and user calibration	Wavelength selection and user calibration			Wavelength selection and user calibration
Measurement modes	Single Shot Power (SSP)	Single Shot Power (SSP), Continuous Power (CWP) and Single Shot Energy (SSE)			Single Shot Power (SSP)
Data acquisition and transfer	Yes	Yes			Yes
GENERAL SPECIFICATIONS					
Display type	Touchscreen color LCD	Touchscreen color LCD			Touchscreen color LCD
Display size	28.0 x 35.0 mm (128 x 160 pixels)	28.0 x 35.0 mm (128 x 160 pixels)			28.0 x 35.0 mm (128 x 160 pixels)
Data storage	50 000 pts	50000 pts			50000 pts
Battery type	Rechargeable Li-ion	Rechargeable Li-ion			Rechargeable Li-ion
Battery life	17 hours or 4 200 measurements (with brightness set at 25%)	17 hours or 4 200 measurements (with brightness set at 25%)			17 hours or 4 200 measurements (with brightness set at 25%)
Battery recharge via	USB port	USB port			USB port
PHYSICAL CHARACTERISTICS					
Effective aperture	19mm(/J	19mm(/J			19mm(/J
Absorber	H9	H9			WS
Mounting holes (for post)	2 X 8-32	2x8-32			2 x 8-32
Dimensions	59.0W x 181.4L x 17.0D	59.0W x 181.4L x 17.0D			59.0W x 181.4L x 17.0D
Weight	210g	210g			210 g
ORDERING INFORMATION					
Compatible stand	STAND-S-233	STAND-S-233			STAND-5-233
Product page					

a. To get all the damage thresholds, see User Manual.
b. At maximum power.

Specifications are subject to change without notice

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