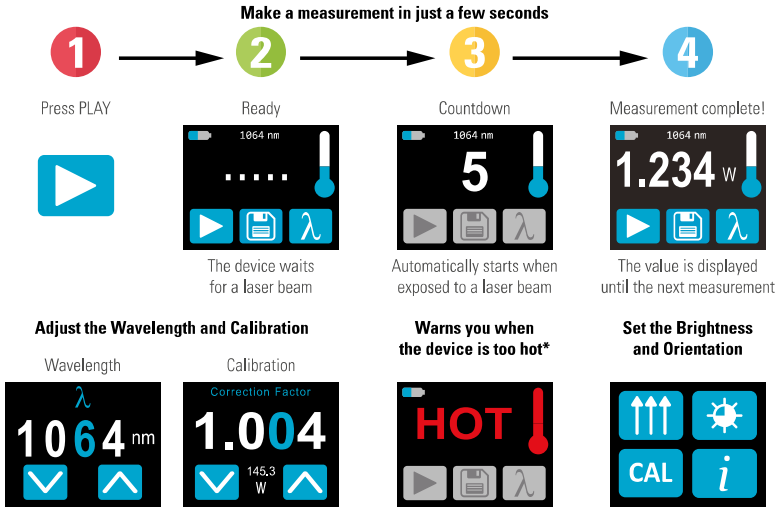
HIGH-POWER PRONTO

1W - 10 kW high power probes with touchscreen controls

USER INTERFACES (SSP MODE)



KEY FEATURES

- **WIDE POWER RANGE**
  Very low noise level = wide power range with just one device
- **CONTINUOUS READINGS AT LOW POWERS**
  The PRONTO-500 includes a continuous power mode (CWP) for measurements up to 40 W.
- **NO-WAIT MEASUREMENTS**
  5 seconds measurements allow for very short cooling time (all models except PRONTO-3K)
- **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.
- **LARGE APERTURE**
  55 mm Ø aperture to accommodate large beams
- **RUGGED**
  - All-metal body
  - High damage thresholds
- **SERIAL COMMANDS**
  Serial commands are available to let you take full control of your PRONTO from your PC.

ACCESSORIES

Stand with steel post

Pelican carrying case

HIGH-POWER PRONTO

Specifications

CE NIST* Traceable WEEE/RoHS COMPLIANT

*Also traceable to NRC-CNRC




	PRONT0-500		PRONT0-3K		PRONTO-6K		PRONTO-I0K	
MAX AVERAGE POWER								
SSP Mode (Measures Power ins s)	500W		3000W		6000W		10000W	
CWP Mode (Measures Power continuously)	40W		N/A		N/A		N/A	
EFFECTIVE APERTURE	55mm0		55mm0		55mm0		55mm0	
COOLING METHOD	Convection		Convection		Convection		Convection	
MEASUREMENT CAPABILITY								
Spectral range	0.19-20 µm		0.19-20 µm		0.19-20 µm		0.19-20 µm	
Calibrated spectral range•	0.248 - 2.5 µm		0.248 - 2.5 µm		0.248 - 2.5 µm		0.248 - 2.5 µm	
Noise equivalent power	0.IW		SW		20W		30W	
Exposure time	5s'		105		Ss		5s	
Calibration uncertainty	±3% (± 25% in CWP mode)		±5%		±5%		±5%	
Number of readings before cooling '	IOOW	25 (200 s)	O.SkW	6(725)	IkW	6 (36s)	IkW	10(605)
(Maximum exposure time before cooling)	200W	12(1005)	IkW	3(365)	2kW	3 (18s)	2kW	5(305)
	300W	8(60s)	I.SkW	2 (24s)	3kW	2(12s)	SkW	2(12s)
	500W	5(405)	3kW	I (12s)	6kW	I (6s)	IOkW	I (6 s)
DAMAGE THRESHOLDS								
Maximum average power density								
1064 nm, 100 W, CW	25kW/cm'		---		---		---	
1064 nm, 500 W, CW	SkW/cm'		7kW/cm'		---		---	
1064 nm, 3000 W, CW	---		5kW/cm'		8kW/cm'		---	
1064 nm, 6000 W, CW	---		---		7kW/cm'		7kW/cm'	
1064 nm, 10 000 W, CW	---		---		-		5.SkW/cm'	
Maximum allowable casing temperature	65'C		65'C		75'C		75'C	
GENERAL SPECIFICATIONS								
Display type	Touchscreen color LCD		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)		28.0 x 35.0 mm (128 x 160 pixels)	
Data storage	50000 pts		50 000 pts		50 000 pts		50 000 pts	
Battery type	Rechargeable Li-ion		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%)		17 hours or 4 200 measurements (with brightness set at 25%)	
Battery recharge via	USB port		USB port		USB port		USB port	
PHYSICAL CHARACTERISTICS								
Effective aperture	55mm0		55mm0		55mm0		55mm0	
Dimensions (sensor head)	8BW x BBL x 32D mm		BBW x BBL x 36D mm		BBW x BBL x 36D mm		BBW x BBL x 46D mm	
Dimensions (monitor)	41Wxl40Lxl6D mm		41W x 140L x 16D mm		41W x 140L x 16D mm		41Wxl40Lxl6D mm	
Weight	930g		1240g		1520g		2150g	
ORDERING INFORMATION								
Compatible stand	STAND-S-443		STAND-S-443		STAN D-S-443		STAND-S-443	
Product page								

a. For calibration at 10.6 µm, add C02-CAL-UP-2 to the order
b. Response time in CWP mode is 2 s.
c. Assuming an exposure time of 8 seconds and for 25 °C starting temperature.

Specifications are subject to change without notice

T 418.657.8003 I info@gentec-eo.com

genteC-EO