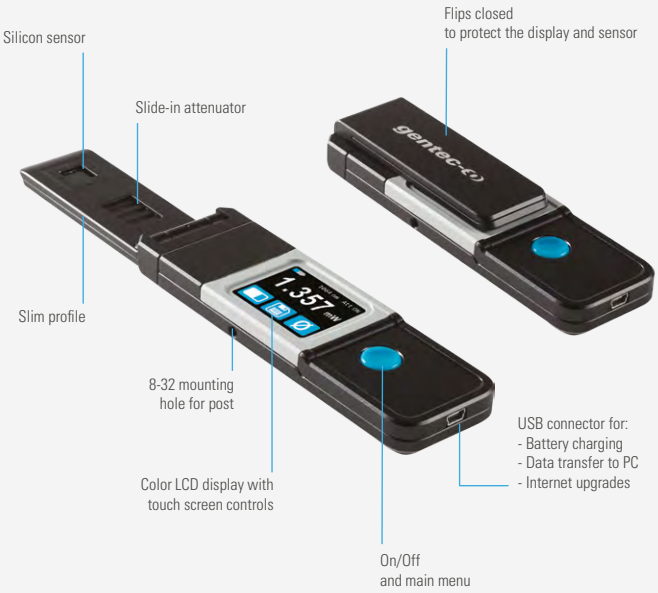
PRONTO-SI

0.3 nW - 800 mW power probe with touchscreen controls



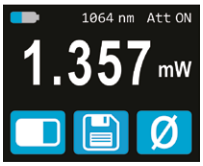
KEY FEATURES

- **POCKET-SIZE**
  This low power laser probe is so compact it fits in your pocket!
- **SLIM PROFILE**
  The sensor part is only 6 mm thick, allowing it to fit into tight spaces
- **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!
- **VERY LOW POWER MEASUREMENTS**
  Thanks to its very low noise level of only 10 pW, the PRONTO-Si measures powers as low as 0.3 nW
- **SLIDE-IN ATTENUATOR**
  Just slide the OD1 integrated filter to the ON position and you can measure up to 800 mW of continuous power at 532 nm (maximum power varies with wavelength)
- **DATA LOGGING**
  Save your data to the internal memory and then transfer them to your PC over the USB connection
- **OPTIONAL FIBER OPTICS ADAPTOR**
  The fiber optics adaptor is held securely in place with a set screw and is compatible with OD attenuators
- **SERIAL COMMANDS**
  Serial commands are available to let you take full control of your PRONTO from your PC.

USER INTERFACE

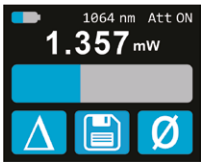
3 Displays for the measurements

Real-time display



Displays the measured value with large digits so you can see them from a distance

Bargraph display

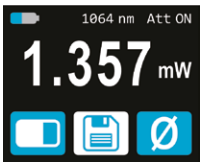


Adds a bargraph below the measured value, for an intuitive understanding of the trend of your laser

Min/Max display

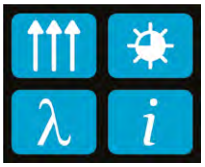
In addition to the real time value, the device displays the lowest and highest values

Save your data and transfer it to your PC



Adjust the wavelength

Set the brightness and orientation



DATA TRANSFER TO PC

ACCESSORIES

Threaded adaptor for PRONTO-Si

Fiber adaptors

PRONTO-SI

Specifications

*Also traceable to NRC-CNRC

	PRONTO-SI
MAX AVERAGE POWER* (ATTENUATOR OFF / ATTENUATOR ON)	88 mW / 800 mW
EFFECTIVE APERTURE	10 x 10 mm
INTERFACE	Touchscreen color LCD display
MEASUREMENT CAPABILITY	
Calibrated spectral range	
Attenuator OFF	320 - 1100 nm
Attenuator ON	400 - 1100 nm
Power range*	
Attenuator OFF	0.3 nW - 88 mW at 532 nm
Attenuator ON	3 nW - 800 mW at 532 nm
Noise equivalent power	10 pW at 980 nm
Response time	0.2 s
Measurement accuracy	From ± 1.5% to ± 7.5% (wavelength-dependent)
Display resolution	1 pW
DAMAGE THRESHOLDS	
Maximum average power density	100 W/cm²
Maximum average power	800 mW (with attenuator ON)
USER INTERFACE	
Displays	Real-time, bar graph and min/max
Measurement controls	Zero offset, wavelength selection and reset data
Data acquisition and transfer	Yes
GENERAL SPECIFICATIONS	
Display type	Touchscreen Color LCD
Display size	28.0 x 35.0 mm (128 x 160 pixels)
Data storage	50 000 pts
Battery type	Rechargeable Li-ion
Battery life	17 hours (with brightness set at 25%)
Battery recharge via	USB port
PHYSICAL CHARACTERISTICS	
Effective aperture	10 x 10 mm
Sensor	Silicon
Attenuator	Integrated slide-in OD1 attenuator
Mounting hole (for post)	1 x 8-32
Dimensions (Open)	41W x 216.2L x 15.8D mm (Sensor part is only 6.0D mm)
Dimensions (Closed)	41W x 136L x 22.1D mm
Weight	150 g
ORDERING INFORMATION	
Compatible stand	STAND-S-233
Product page	

** See curves (page 61) for maximum power at other wavelengths*

Specifications are subject to change without notice

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