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SOLO 2

MONITOR

Laser Power / Energy Meter

- New and improved!
- 20X faster data transfer rate
- Display 100% larger than previous SOLO
- Reads energy detectors (with metallic absorbers) up to 3 kHz
- Full statistical functions
- Power/Energy/Photo detectors



UNO

MONITOR

Laser Power Meter

- Simple to use, ergonomically designed
- Reads all power detectors (including photo detectors)
- Unbeatable price!



Gentec-EO is proud to announce the latest additions to its monitor family: the SOLO 2 and the UNO

The new **SOLO 2 Energy and Power Meter** will be more ergonomically shaped; with a wide screen 2 times bigger than the SOLO-PE, a transfer rate 20 times faster and the ability to read high repetition rate energy detectors up to 3 kHz.

The new **UNO Power Meter** will present the same inventive ergonomics as the new **SOLO 2**; a wide screen with large digit and easy one-finger navigation, but in a very affordable package that includes the most useful functions.

Once again, with its **SOLO 2** and **UNO** monitors, Gentec-EO is raising the bar for the highest quality/price ratio meters on the market.

SOLO 2 AND UNO SPECIFICATIONS

	SOLO 2	UNO
	Energy and Power Meter	Power Meter
POWER METER SPECIFICATIONS		
Power Range (thermal head)	100 μ W to 10 kW	Single wide range scale
Power Range (photo detector head)	4 pW to 3 W	Autoscale
Resolution (digital)	Current scale / 2048	1 pW (Photo Detector) 1 mW (Thermal Detector)
Monitor Accuracy	$\pm 0.5\%$ ($\pm 5 \mu$ V) full scale ^a	✓
Response Time (accelerated)	1 sec	✓
Statistics	Current Value, Max, Min, Average, Std Dev., RMS & PTP Stability, Time	None
ENERGY METER SPECIFICATIONS		
Energy Range	0.1 μ J to 20 kJ	---
Monitor Accuracy	1% < 500 Hz, up to 6% @ 10 kHz	---
Software Trigger Level	0.1 to 99.9%, 0.1% resolution, default 2% (3% in MT) ^a	---
Repetition Rate	3000 Hz	---
Statistics	Current Value, Max, Min, Average, Std Dev., RMS & PTP Stability, Pulse #, Repetition Rate, Average Power	---
DETECTOR COMPATIBILITY		
Thermopile (power detector)	Average Power Single Shot Energy	✓ ✓
Pyroelectric (energy detector)	Pulse Energy including single shot / Average Power / Repetition Rate	---
Photo Detector	Average Power (mW, dBm)	✓
GENERAL SPECIFICATIONS		
Digital Display	78 x 58 mm LCD 240 x 160 pixels	76 x 57 mm LCD High Contrast Fields
Data Storage	up to 225 000 points ^b	---
Data Displays	Real Time, Line plot, Histogram, Statistics, Digital Tuning Needle	Real Time
User Input Correction Factors	2 Multipliers and 2 Offsets (7 digits)	---
Analog Output	0-1 volt, full scale, $\pm 1\%$	---
Internet Upgrades	USB and RS-232 ^c	---
PC Interface Software	✓	---
PC Serial Commands	USB and RS-232 ^c	---
LabVIEW Drivers	✓	---
Real-Time Data Transfer Rate	200 Hz	---
Dimensions (mm, without stand)	210 (W) x 122 (H) x 44 (D)	210 (W) x 122 (H) x 44 (D)
Weight	0.52 kg (with stand)	0.47 kg (with batteries)
Battery Pack	4 rechargeable 1.2 V Ni-MH AA (6 hours to full charge)	4 Alkaline AA Batteries
Battery Life (estimated)	11 hours, 6 hours with backlight	650 hours with Detector
External Power Supply	100/240 VAC, 50-60 Hz, to 9 VDC, 1.66 A	100/240 VAC 50-60 Hz, to 9 VDC 1.5 A (optional)

a. Trigger level cannot be changed in MT mode.

b. Maximum when not using advanced features that require memory.

c. USB Cable is included with the SOLO 2, RS 232 cable must be purchased separately.

Specifications subject to change without notice.