

# SOLO 2



Single Channel, Power & Energy Monitor



Monitors

Energy Detectors

Power Detectors

OEM Detectors

Calorimeters

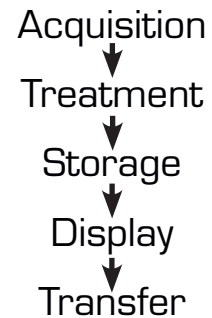
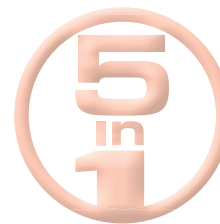
Diffractive Optics

Beam Diagnostics



## Key Features

- 1 **Reads ALL Detector Types**  
Thermopile, photo and pyroelectric detectors
- 2 **Large LCD Display**  
77 x 58 mm with super bright backlight
- 3 **Unique Ergonomic Design**  
Great for both handheld and tabletop use
- 4 **Shift-Key and Single-Key Navigation**  
Direct access and shift access to the main functions
- 5 **Internal Data Storage**  
225 000 points internal data storage space
- 6 **Real-Time Statistical Functions**  
Max, Min, Average, Standard Deviation, RMS and PTP Stability, Pulse # and Repetition Rate
- 7 **Available Outputs**  
Analog Output, RS-232, USB



## Accessories

- » **External Power Supply**  
Additional 9 Volt power supply.
- » **USB Cable**  
Additional USB Cable.
- » **RS-232 Cable**  
Optionnal RS-232 Cable


- » **Protective Pouch**  
Protect your monitor from scratches and dust.



- » **Pelican Carrying Case**  
We offer a robust hard shell polymer carrying case.



## SPECIFICATIONS

<b>Model</b>	SOLO 2
	
<b>Detector Types</b>	Thermopiles, Photo Detectors, Pyroelectrics
<b>Display</b>	LCD with Backlight
<b>POWER METER SPECIFICATIONS</b>	
	SOLO 2
Power Range	
Thermopile	1 $\mu$ W to 30 kW
Photo Detector	4 pW to 3 W
Monitor Accuracy	$\pm 0.5$ % full scale
Statistics	Current Value, Max, Min, Average, Standard Deviation, RMS & PTP Stability, Time
<b>ENERGY METER SPECIFICATIONS</b>	
Energy Range	0.1 $\mu$ J to 30 kJ
Monitor Accuracy	$\pm 1$ % full scale (<500 Hz)
Software Trigger Level	0.1 to 99.9%, 0.1% resolution, default 2% (3% for MT)
Repetition Rate	3 000 Hz / 10 000 Hz in sampling
Statistics	Current Value, Max, Min, Average, Std Dev., RMS & PTP Stability, Pulse #, Rep. Rate and Avg Power
<b>DETECTOR COMPATIBILITY</b>	
Thermopile	Average Power & Single Shot Energy
Photo Detector	Average Power (mW, dBm)
Pyroelectric	Pulse Energy
<b>GENERAL SPECIFICATIONS</b>	
Digital Display Size	77 x 58 mm LCD - 240 x 160 pixels
Digit Height	23 mm
Data Display	Real Time, Line Plot, Histogram, Statistics, Digital Tuning Needle
Analog Output	0-1 Volt, Full Scale, $\pm 1$ %
Serial Commands and Data Transfer Via	USB (standard) or RS-232 (cable in option)
Real-Time Data Transfer Rate	200 Hz
Data Storage Capacity	225 000 Points
Dimensions	210W x 122H x 44D mm
Weight (With Batteries)	0.52 kg
Battery Type	4 x Rechargeable 1.2 V Ni-MH AA
Battery Life	11 hours, 6 hours with backlight
External Power Supply	100/240 VAC 50-60 Hz to 9 VDC 1.66 A
<b>ORDERING INFORMATION</b>	
Full Product Name	SOLO 2
Product Number	200954

## America

Canada  
United States  
South America

## Europe

Austria  
Belgium  
France  
Germany  
Ireland  
Italy  
Poland  
Russia  
Spain  
Sweden  
Scandinavia  
Switzerland  
The Netherlands  
Turkey  
United Kingdom

## Asia Pacific

China  
India  
Indonesia  
Israel  
Japan  
Korea  
Malaysia  
Philippines  
Singapore  
Taiwan  
Thailand  
Vietnam

## Oceania

Australia  
New Zealand



## Leader in Laser Beam Measurement Since 1972

### Headquarters

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### Calibration Centers

Quebec City, Canada  
Olching (Munich), Germany