Measuring the World Around You

M140
Data Sheet

Mini Solar Power **Meter**



Description:

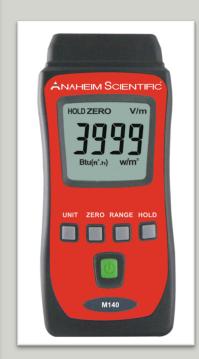
The M140 measures solar irradiance in units of W/m² or BTU/(ft²*h). Durable, reliable, and easy to use, use the M140 features:

Features:

- Super low price, high precision
- Measurable light sources, including all visible light
- Overload display OL
- Select either W/m² or [BTU/(ft²*h)] units
- Stable for long use
- Power off: Manual on/off by push button, or auto shut off after 15 minutes

Applications:

- Solar power evaluations
- Finding the optimal incident angle for solar panels
- Measurement of the sun's transmission through transparent and opaque materials







ANAHEIM SCIENTIFIC

Technical Specifications	
Accuracy	Typically within ± 10W/m² [±3 BTU/(ft²*h)] or ±5%, whichever is greater in sunlight; Additional temperature induced error ±0.38 W/m²/°C [±0.12 [BTU/(ft²*h)]/°C] from 25°C
Resolution	0.1W/m ² or 0.1 [BTU/(ft ² *h)]
Range	1999W/m ² or 634 [BTU/(ft ² *h)]
Accuracy Attenuation	< ±3%/year
Display	3¾ digits LCD with maximum reading 3999
Sampling Rate	About .25 seconds
Power Supply	2 batteries 1.5V AAA
Battery life	50 hours during consecutive use
Operating Conditions	5°C ~ 40°C, <80% RH, ≤2km altitude
Storage Conditions	-10 to 60°C, <70% RH
Dimensions	134 × 48 × 27 mm (H × W × D)
Weight	90g
Accessories	User manual, 2x 1.5 AAA battery, and carrying case
Warranty	Limited two-year warranty





Includes:

- Meter
- User Manual
- Carrying Case
- 2x 1.5V AAA Batteries

This instrument conforms to:

- This meter is EMC compliant and has undergone tests according to EN61326 (1997) + A1 (1998) + A2 (2001)
- CE

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