ANAHEIM SCIENTIFIC

Measuring the World Around You

H110 Series Data Sheet

Light, Solar, UVA **Meters**



Description:

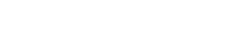
The H110 Series meters from Anaheim Scientific include options for measuring Illumination (H117), Solar (H115, H117), and UVA lighting (H116,H117). Lightweight, handheld and durable, the H110 Series meters will provide years of reliable service. The H110 Series features:

Features:

- Convenient easy to read 3¾ digit display
- Real time data
- Data hold function
- Auto ranging
- Back light
- Auto power off and disable auto power off
- USB PC interface
- Data logging capacity up to 45,000 readings
- Low battery indicator
- Over load indicator
- Maximum/Minimum/Average record and elapse time
- Auto zero adjustment

Applications:

- Warehouse & Factory Lighting
- Photography and Videography
- UV Curing
- Solar Power Evaluation
- Energy Audits
- Museums & Art Galleries
- Stadium lighting
- Sun tanning beds



The H110 Series of light meters offers 3

models with different light sensors

Model #	Sensor
H115	Solar Power
H116	UVA
H117	Solar Power, UVA,
	and Light







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General Specifications		
Battery Life	Approximately. 100 hours	
Display	3 ¾ LCD	
Sampling	4 times/second	
Power Off	Manual by push button or auto shut off after approx. 30 minutes	
Data Output	USB PC serial interface	
Datalogging Capacity	Up to 45,000 reading	
Power	9v battery or AC to DC Adaptor (9v/300mA)	
Dimensions	130(L) x 56(W) x 38(H) mm	
Weight	250g	
Current Consumption	≤10 mA	
Sensor Length	1 meter	

Light Sensor (H117)		
Sensor	Silicon photodiode and filter	
Measuring Range	40.00, 400.0, 4000, 40000, 400000 Lux 40, 400, 4000, 40000 Foot-candles	
Resolution	0.01, 0.1, 1, 10, 100 Lux	
Accuracy	±3% (Calibrated to standard incandescent lamp 2856° K) 6% other visible light source	
Angle Deviation from Cosine Characteristics	30° ±2% 60° ±6% 80° ±25%	
Spectral Response	400 – 1100 nm	
Peak Sensitivity Wavelength		
Auto Measurement & Ranges	0.01 W/m² ~ 2000 W/m² [0.01 Btu/(h*ft²) ~ 634 Btu/(h*ft²)]	

UVA Sensor (H116, H117)		
	40.0 μW/cm ² , 400 μW/cm ² , 20 mW/cm ²	
Resolution	0.1 μW/cm ² , 1 μW/cm ² , 0.01 mW/cm ²	
Accuracy	± (4%.F.S + 2dgt)	
Spectral Response	320 – 400 nm	
1	365 nm	
Wavelength		
Sensor	Photo diode & UVA color correction filter	

Includes:

- Meter
- Sensor
- Carrying Case
- DC Adaptor
- 9V Battery
- Mini USB to USB A Cable
- User Manual
- Installation CD

This instrument conforms to:

- EN61326-1 (2006)
- JISC 1609:1993
- CNS 5519

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Solar Power Sensor (H115, H117)		
Measuring Range	40.00 W/m ² , 400.0 W/m ² , 2000 W/m ² [13 Btu/(h*ft ²), 127 Btu/(h*ft ²), 634 Btu/(h*ft ²)]	
Resolution	0.01 W/m ² , 0.1 W/m ² , 1 W/m ² [0.01 Btu/(h*ft ²), 0.1 Btu(h*ft ²), 1 Btu(h*ft ²)]	
Accuracy	Typically within ± 10 W/m ² [±3 Btu/(h*ft ²)] or ±5%, whichever is greater in sunlight. Additional temperature induced error ±0.38 W/m ² / °C [±0.12 Btu/(h*ft ²)/ °C] from 25°C	
Spectral Response	400 – 1100 nm	
Auto Measurement & Ranges	0.01 W/m² ~ 2000 W/m² [0.01 Btu/(h*ft²) ~ 634 Btu/(h*ft²)]	



H115

Solar Power Meter

H116

UVA Meter

H117

- Illumination Meter
- Solar Power Meter
- UVA Meter