ANAHEIM SCIENTIFIC®

Measuring the World

Light, Solar, UVA Meters

Description:

The H110 Series meters from Anaheim Scientific include options for measuring Solar (H115) and UVA lighting (H116). 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

H116
UVA Meter

Applications:

- UV Curing
- Solar Power Evaluation
- Energy Audits
- Sun tanning beds

The H110 Series of light meters offers 2 models with different light sensors

Model #	Sensor
H115	Solar Power
H116	UVA

2 YEARS WARRANTY

CE

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

UVA Sensor (H116)

Range	40.0 $\mu W/cm^2$, 400 $\mu W/cm^2$, 20 mW/cm^2
Resolution	0.1 $\mu W/cm^2$, 1 $\mu W/cm^2$, 0.01 mW/cm^2
Accuracy	$\pm$ (4%.F.S + 2dgt)
Spectral Response	320 – 400 nm
Peak Sensitivity Wavelength	365 nm
Sensor	Photo diode & UVA color correction filter

Solar Power Sensor (H115)

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 $\pm$ 10 W/m^2 [$\pm$3 $Btu/(h*ft^2)$] or $\pm$5%, whichever is greater in sunlight. Additional temperature induced error $\pm$0.38 W/m^2 / ° C [$\pm$0.12 $Btu/(h*ft^2)$/ ° C] from 25° C
Spectral Response	400 – 1100 nm
Auto Measurement & Ranges	0.01 W/m^2 ~ 2000 W/m^2 [0.01 $Btu/(h*ft^2)$ ~ 634 $Btu/(h*ft^2)$]

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