

# ENVIRONMENTAL TESTERS

## LIGHTMETER

### MODEL 1110

Features optical sensors that are designed to match the response of the human eye

### SPECIFICATIONS

MODEL	1110	
Measurement Range	(0.01 to 200,000) lx	(0.01 to 18,580) fc
Accuracy	± 3 % of R on incandescent sources ± 6 % of R on LEDs (3,000 to 6,000) K ± 9 % of R on fluorescent sources	
Accuracy with Compensation	LED mode: ± 4 % of R (at 4,000 K) Flou mode: ± 4 % of R (type F11, 4,000 K)	
Display Resolution	0.1 lx (0.1 to 999.9) lx 1 lx (1,000 to 9,999) lx 10 lx (10,000 lx to 99.99 klx) 100 lx beyond	0.01 fc (0.01 to 99.99) fc 0.1 fc (100.0 to 999.9) fc 1 fc (1,000 to 9,999) fc 10 fc beyond
Recording	Manual start/stop on the product Short press for MEM: spot recording Long press for REC at the defined default rate Programed recording: start date, recording interval, and end date defined using DataView® software	
Other Functions	MIN-AVG-MAX-HOLD	
Sampling Rate	Programmable from 1, 2, 5, 10, 20, or 30 s, 2, 5, 10, 15 or 30 min, and 1 hr	
MAP mode	The MAP mode can be used to map the lighting on the surface of a room. In this case the measurements are saved in the same file.	
Operating Temperature	(14 to 140) °F (-10 to 60) °C	
Storage Temperature	(-4 to 140) °F (-20 to 60) °C	
Relative Humidity	Up to 90 % RH	
<b>GENERAL</b>		
Memory	1,000,000 measurements on each channel (4 MB). Recorded data is stored in non-volatile memory and will be retained even if battery is low or removed.	
Communication	USB 2.0 and Bluetooth	
Power Supply	(3) 1.5 V AA (LR6) alkaline batteries or USB port (micro-USB adaptor offered as an accessory)	
Battery Life	500 h, 3 yrs with 15 min intervals	
Dimensions	Case: (5.9 x 2.84 x 1.28) in (150 x 72 x 33) mm Sensor: (2.64 x 2.52 x 1.38) in (67 x 64 x 35) mm	
Weight (with battery)	12.2 oz (34 g) with batteries	
Case	Polycarbonate	
<b>SAFETY</b>		
EMC	EN 61326-1	
Safety Rating	IEC 61010-1	
Ingress Protection	IP50 with USB connector closed and protective cap on sensor	
Warranty	2 y	

Consult factory for NIST Calibration prices

CATALOG NO.	DESCRIPTION
2121.71	Lightmeter Data Logger Model 1110



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Technical Assistance (800) 343-1391

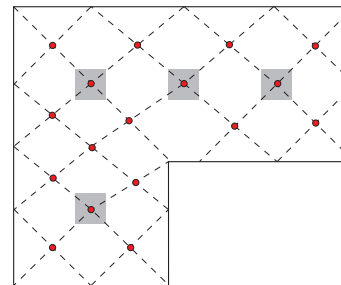
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### FEATURES

- User selectable light source, natural, LED or fluorescent
- Spectral error compensation for LED and fluorescent lighting
- Removable light sensor with expandable cable up to 48 inches
- Map mode profiles the illuminance map of the area or room by storing multiple measurements
- Min, Max, and Average measurements stored
- Free app for Android™ from the Google® Play Store
- Spot or continuous recording of up to 1,000,000 measurements stored in 8 MB flash memory
- Blue luminescent backlit display
- User selectable foot-candle (fc) or lux (lx) units
- USB and Bluetooth communication
- Magnetic mount
- Battery or USB powered
- DataView® graphing and analysis software included



Measure and record multiple measurements to create an illuminance map of the room or area of interest

### ACCESSORIES/REPLACEMENTS

- Catalog #2118.65**  
Soft Carrying Case
- Catalog #2138.66**  
6 ft USB cable
- Catalog #2118.09**  
General Purpose Carrying Case
- Catalog #2122.31**  
Shockproof Housing
- Catalog #2153.78**  
Adapter - US Wall Plug to USB
- Catalog #5000.44**  
MultiFix Universal Mounting System

### PRODUCT INCLUDES

Soft carrying pouch, 6 ft USB cable, (3) 1.5 V AA batteries, a printed quick start guide, USB drive with DataView® software and user manual.