

Handheld Light Meter

With Data Logging SD Card

HHLM112SD



- ✓ 2 GB SD Card and Light Probe Included
- ✓ Real Time Data Logger
- ✓ Easy-to-Use
- ✓ Large Backlit LCD Display
- ✓ MAX/MIN Function
- ✓ Auto Power-Off
- ✓ Selectable Lux or Foot-Candle Units
- ✓ Automatic Range Selection
- ✓ Type K or J Thermocouple Input
- ✓ Soft Carrying Case Included
- ✓ Optional AC Adaptor

Light probe and protective cover.

HHLM112SD.

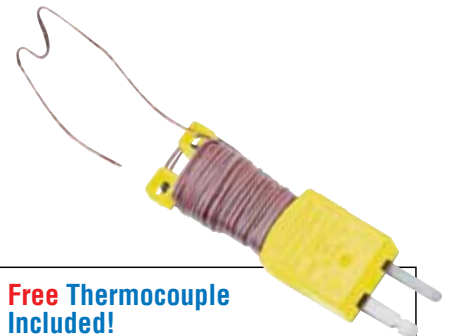


Type K thermocouple (included).

The HHLM112SD has a large backlit display for easy viewing of light levels. Comes complete with light probe with protective cover and can measure a wide range of either LUX or footcandles. Applications include indoor light and work area lighting monitoring and verification useful for facilities engineers, building maintenance personnel and anyone who wants to measure illuminance. Ideal for Industrial and commercial photography and videography applications. Because it is microprocessor-based, the HHLM112SD can make full use of the portability, reliability and large storage capacities that SD memory cards offer. Measurements can be made automatically at any sampling rate between one

second and one hour. After the instrument time-stamps and stores the measurements on an SD card plugged into it, the user can remove the card and plug it into a laptop or desktop computer either directly or via a USB card reader. The logged data is stored on the card as files that can be opened by Microsoft's Excel application. Unit accepts SD memory cards as large as 16 GB. Temperature measurements are made using a Type K or J thermocouple. The HHLM112SD is powered by 6 "AA" alkaline batteries or an optional AC adaptor.

2 GB-SD card included



Free Thermocouple Included!

These models include a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy (1 per channel). Order a Spare!
Model No. SC-GG-K-30-36

Specifications

Display Type: Liquid-crystal with green backlight

Display Size: 52 x 38 mm (2.05 x 1.5")

Measurement Full-Scale Ranges:

- 0 to 1999 LUX (0 to 186 footcandle (ft-cd))
- 1800 to 19,990 LUX (167 to 1860 ft-cd)
- 18,000 to 99,900 LUX (1670 to 9290.7 ft-cd)

Measurement Accuracy:

- $\pm 4\%$ of full-scale (FS) reading + 2 digits for all LUX readings and ft-cd readings at 200 ft-cd FS
- $\pm 4\%$ of FS reading + 2 ft-cd at 2000 ft-cd FS
- $\pm 4\%$ of FS reading + 20 ft-cd at 20,000 ft-cd FS

Measurement Resolution:

- 1 LUX at 2000 LUX FS
- 10 LUX at 20,000 LUX FS
- 100 LUX at 100,000 LUX FS
- 0.1 ft-cd at 200 ft-cd FS
- 1 ft-cd at 2000 ft-cd FS
- 10 ft-cd at 10,000 ft-cd FS

Thermocouple Input Ranges and Accuracy:

Type K:

- 50 to 1300°C ($\pm 0.4\% + 0.5^\circ\text{C}$)
- 50.1 to -100°C ($\pm 0.4\% + 1^\circ\text{C}$)
- 58 to 2372°F ($\pm 0.4\% + 1^\circ\text{F}$)
- 58.1 to -148°F ($\pm 0.4\% + 1.8^\circ\text{F}$)

Type J:

- 50 to 1200°C ($\pm 0.4\% + 0.5^\circ\text{C}$)
- 50.1 to -100°C ($\pm 0.4\% + 1^\circ\text{C}$)
- 58 to 2192°F ($\pm 0.4\% + 1^\circ\text{F}$)
- 58.1 to -148°F ($\pm 0.4\% + 1.8^\circ\text{F}$)

Sampling Time Options:

1 second to 1 hour

Storable/Recallable Readings: Max/min

SD Card Capacity: 1 to 16 GB

Operating Temperature: 0 to 50°C (32 to 122°F)

Operating Relative Humidity: 0 to 85%

Power Supply: 6 "AA" Alkaline batteries or optional 9 Vdc AC adaptor

Power Consumption: 6.5 mA DC (normal operation, with backlight off and SD card not saving data); 30 mA DC with backlight on

Dimensions:

177 x 68 x 45 mm (7 x 2.7 x 1.9")

Weight: 489 g (1.08 lb)



To Order

Model No.	Description
HHLM112SD	Light meter with data logging SD card

Comes complete with light probe with protective cover, 1 Type K thermocouple, 6 "AA" batteries, soft carrying case, 2 GB SD memory card and operator's manual.

Accessories

Model No.	Description
2GB-SD	Spare 2 GB SD card
ADAPTER-SD	AC power adaptor
SW-U101-WIN	Data acquisition software, with USB and RS232 cables
RS232-SD	Spare RS232 interface cable