UVA, UVC Light Meter with Data Logging SD Card

NEW

HHUV254SD

1 YEAR WARRANTY · C E · RoHS

Measures Light Intensity
Two Automatic Range Selections
J/K Thermocouple Input
2 GB SD Card Included
UVA and UVC Probes Included
Real Time Data Logger
Large Backlit LCD Display
MAX/MIN Function
Auto Power-Off
Hard Carrying Case Included

Many industrial and commercial applications require or can benefit from measurement of the intensity of UVA and/or UVC light. Among them are welding (to minimize exposure to "blue light" radiation), UV sterilization of food, photochemical matching, erasure of electrically programmable read-only memory (EEPROM) chips, production of graphic arts products, exposure of photoresists, and curing of inks, adhesives and coatings.
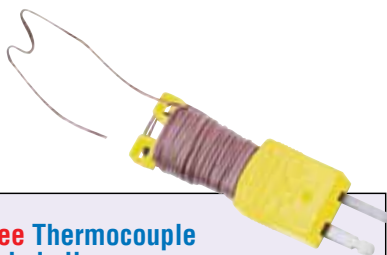
Type K thermocouple (included).

UVA light meter (included).

HHUV254SD.

2 GB SD card (included).

Free Thermocouple Included!
**This model includes a free 1 m (40")
Type K insulated beaded wire
thermocouple with subminiature connector
and wire spool caddy. Order a Spare!
Model No. SC-GG-K-30-36**

OMEGA's HHUV254SD has the performance and features needed to satisfy the most demanding aspects of these applications. For example, it combines the capabilities of UVA (black light in the long-wave 365 nm band) and UVC (short waves in the 254 nm band) measurement in one instrument. The meter also can measure temperature with a Type K or J thermocouple. A UVA probe and a UVC probe are supplied with the instrument. Because it is microprocessor-based, the HHUV254SD data logger can make full use of the portability, reliability

and large storage capacities that SD memory cards offer. Measurements of light intensity or temperature can be made automatically at any of 11 sampling rates between one second and one hour. After time-stamping and storing the measurements on an SD card plugged into the instrument, the user can remove the card and transfer the measurements to a laptop or desktop computer either directly or via a USB card reader.

The HHUV254SD has a backlit 2 ½" diagonal display and is powered by 6 "AA" alkaline batteries or an optional 9 Vdc AC adaptor.

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Hard carrying case.

Type K thermocouple.

Probe cover.

2 GB SD card.

UVA probe.

UVC probe.

HHUV254SD comes complete with all items listed here.

All models shown smaller than actual size.

Specifications

Display Type: LCD with green backlight

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

UV Light Types Measured: UVA, UVC

Measurement Range: 240 to 390 nm

Measurement Accuracy: ±4% of full scale reading + 2 digits

Full-Scale Autoranges: 2 mW/cm^2 and 20 mW/cm^2

Storable/Recallable Readings: Max, min

Data Logging Sampling Time: 1 sec to 1 hr

SD Card Capacity: 1 to 16 GB

Settable Parameters: Date, time, auto power off, beep sound, temperature unit (°C or °F), sampling time, thermocouple Type (K or J), decimal point or comma

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

Operating Relative Humidity: 0 to 85%

Thermocouple Input Ranges and Accuracy:

Type K:
-50 to 1300°C (±0.2% + 0.5°C)
-50.1 to -100°C (±0.2% + 1°C)
-58 to 2372°F (±0.2% + 1°F)
-58.1 to -148°F (±0.2% + 1.8°F)

Type J:
-50 to 1200°C (±0.2% + 0.5°C)
-50.1 to -100°C (±0.2% + 1°C)
-58 to 2192°F (±0.2% + 1°F)
-58.1 to -148°F (±0.2% + 1.8°F)

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

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

Dimensions:
Meter: 177 H x 68 W x 45 mm D (6.97 x 2.68 x 1.77")
UVA Probe Head: 45 (diagonal) x 32 mm L (1.77 x 1.26")
UVA Probe Handle: 24 (diagonal) x 125 mm L (0.94 x 4.92")
UVC Probe: 38 (diagonal) x 25 mm L (1.50 x 0.98")

Weight:
Meter: 351 g (12.38 oz)
UVA Probe: 100 g (3.53 oz)
UVC Probe: 103 g (3.63 oz)

OMEGACARE℠ Extended Warranty Program

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE℠ covers parts, labor and equivalent loaners.

To Order

Model No	Description
HHUV254SD	UVA, UVC light meter with data logging SD card

Accessories (Field Installable)

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

Comes complete with UVA probe, UVC probe, probe cover, 6 "AA" batteries, hard carrying case, 2 GB SD memory card, Type K thermocouple and operator's manual.
Ordering Example: HHUV254SD, UVA, UVC light meter with data logging SD card.
OCW-3, OMEGACARE extends standard 1-year warranty to a total of 4 years.