



Above:
Detail of USB socket

Below:
Optional wall mounting security bracket

Hanwell provide a range of instruments that enable the user to measure the levels of Lux and the UV content of light.

The ml4703 Lux & UV datalogger is part of the 4000 range of advanced data loggers, allowing monitoring of a site, with historical analysis of data.

The most damaging part of the light is its ultraviolet (UV) content. Hanwell provide a range of instruments that enable measurement of Lux and the UV content of light. Measurements can be taken of the proportion of UV present ($\mu\text{W}/\text{lumen}$), the total amount of UV (mW/M^2), and the amount of visible light (Lux).

Lux is measured in the range 10 to 5000 Lux. This is generally sufficient for environments where a Lux level of over 600 is not normally desired, but higher ranges can be supplied on request. The UV range is 20 to 2000 $\mu\text{W}/\text{lumen}$.

Each 4000 logger has enough internal memory to store up to 100000 readings and is in fact continually logging. The LUX & UV datalogger can travel with products and once delivered the data can be downloaded via high speed USB connection directly into the PC software. The environmental data for the time that the product has been away will be added to previously stored data, providing a continuous history for that product.

The moulded case allows easy access to the battery and USB socket, as well as having slots to fit onto secure wall brackets.

The ml4000 range has been designed to comply with the RoHS and WEEE EU directives, and carries the CE mark.



Lux & UV

Product Code ML4703
Series ml4000

Typical Applications

Monitoring in:
 ° Laboratories
 ° Hospitals
 ° Pharmaceutical
 ° Warehousing

Instrument

Dimensions: 110 x 80 x 35 mm
Weight: 200 grams
Power Supply: 3.6 Volt AA Lithium battery
Battery Life: Up to 3 years (depending on use)
Case Materials: ABS & PC
Operating Humidity Range: 0...100% non-condensing
Operating Temperature Range: -20°C to +60°C
Memory Capacity: 100,000 readings

Sensor

Lux Sensor Type: Photometric diode detector
Visible Wavelength: 400 to 700nm
Visible Power: 10 to 5000 lux
Colour Response: Human eye (CIE curve matched = 5%)
Linearity: 1%
UV Sensor Type: UV silicon carbide
UV Power Range: 20 to 2000 mW/m²
UV Wavelength Range: 250 to 400nm
Linearity: 1%
Angular response: Cosine

Logging Functions

Memory: 2048k EEPROM
Logging intervals: Programmable from 10 seconds to 24 hours
Record Capacity: 100,000 records
PC Interface: USB communications

Accessories

Code:
 W200 USB logger software
 Y119 Wall mounting security bracket
 Y055 USB setup communications cable
 G129 Replacement 3.6V Lithium AA battery