



Above:
Detail of USB socket

Below:
Optional wall mounting security bracket

It is recognised that one of the major causes of damage to works of art, fine furniture, carpets, wall coverings and museum exhibits is light falling on the objects.

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

The ml-4701 Lux datalogger is part of the 4000 range of advanced data loggers, allowing monitoring of a site, with historical analysis of data.

These instruments provide the conservator with the necessary information to protect their valuable exhibits. Using proven Hanwell technology, measurements can be taken of the amount of visible light (Lux) falling on objects.

The Hanwell Lux data loggers sensor measures in the range 10 to 5000 Lux. This is generally sufficient for conservation environments where a Lux level of over 600 is not normally desired, but higher ranges can be supplied on request. The sensor is calibrated against a reference light meter.

The ml4701 is powered by a single battery, which can be replaced by the user without dismantling the unit.

Each 4000 series transmitter has

enough internal memory to store up to 100000 readings and is in fact continually logging. When an object that is being monitored by a 4000 series datalogger goes out on loan the datalogger can travel with the object. When the object returns home the 4000 series unit can be downloaded via the high speed USB connection directly into the PC software. The environmental data for the time that the object has been away will be added to previously stored data, providing a continuous history for that object.

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 only

Product Code ML4701
Series ml4000

Typical Applications

Monitoring in:

- ° Showcases
- ° Museum stores
- ° Galleries
- ° Temporary exhibitions
- ° Archives

Instrument

Dimensions: 110 x 80 x 35mm
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 Temp Range: -20° to +60° C

Sensor

Type: Photometric diode detector
Visible Wavelength: 400 to 700nm
Visible Power: 10 to 5000 lux
Colour Response: Human eye (CIE curve matched)
Accuracy: +/- 1%

Logging Functions

Memory: 2048k EEPROM
Logging intervals: Programmable from 10 seconds to 24 hours
Record Capacity: 100000 records
PC Interface: USB communications

Accessories

Code:

- W200 USB logger software
- Y119 Wall mounting security bracket
- Y055 Setup communications cable
- G129 Replacement 3.6V Lithium AA battery
- CAL-L 3 point calibration certificate