

# ML4703 transmitter

## Pro ML4700 LUX/UV Series

Part of the **Hanwell Pro** ML4000LUX/UV series, the ML4703 transmitter accurately measures light (LUX) and UV using onboard sensors and 434.075MHz frequency as standard.

### Features

- ✓ Accurate light (LUX) and UV measurement
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery & USB socket
- ✓ Low power radio for long distance transmission (3km over open ground)
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

### Typical Applications

- Museum artefact preservation
- Medical supply storage

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Case material	ABS & PC
Memory capacity	50,000 readings per channel (unit will wrap when full)
Clock accuracy (logging)	20ppm @ 25°C
IP Rating	IP30
Instrument operating range	0°C to +50°C in a non-condensing RH environment
Storage temperature	-40°C to +60°C

### Accessories

88706	3.6V AA Lithium battery
Y119	Wall mount bracket



LUX



UV



Radio transmitter

Product code: ML4703-434.075 (other frequencies are available)

### Radio transmitter functions

Frequency options	A range of frequencies are available between 433-458MHz. Country specific regulations apply.
Radio power	10mW
Radio range	3km over open ground
Battery life	Up to 2 years (dependent on conditions of use and instrument settings)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Software compatibility	<b>EMS</b> - All Versions <b>Synergy</b> - All Versions <b>RadioLog 8</b>
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Manufactured by Ellab Monitoring Solutions



RoHS



Version 5 - EC210080

**Disclaimer:** The information contained herein is believed to be reliable. Ellab Monitoring Solutions Ltd is not responsible for any incorrect or incomplete information on this datasheet and the information or product may be changed without notice. Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

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# Sensor options (supplied with unit)

LUX sensor	Photometric diode detector
Visible wavelength	400 to 700nm
Visible range	10 to 5000 LUX
Colour response	Human eye (Match to CIE Curve =5%)
Linearity	1%
Angular response	Cosine
Long term drift	<1%FS per year

UV sensor	UV silicon carbide
UV Power range	20 to 2000 mW/m2
UV Wavelength	215 to 365nm
Linearity	1%
Angular response	Cosine
Long term drift	<1%FS per year