

# ML4704 transmitter

## Pro ML4700 LUX/UV Series

Part of the **Hanwell Pro** ML4000LUX/UV series, the ML4704 transmitter accurately measures light (LUX) and UV using a remote sensor and 434.075MHz frequency as standard.

### Features

- ✓ Accurate light (LUX) and UV measurement
- ✓ LCD display with data readings & battery life
- ✓ 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

- Room comfort
- Museum artefact preservation
- Medical supply storage

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



LUX



UV



Radio transmitter

### 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	100,000 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

Product code: ML4704-434.075 (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

# 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

