

# **ML4703** transmitter

### Pro ML4700 LUX/UV Series

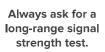
Part of the **Hanwell Pro** ML4000LUX/UV series, the ML4703 transmitter accurately measures light (LUX) and UV using onboard sensors and 434.075MHz frequency as standard.

#### **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





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









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	EMS - All Versions Synergy - All Versions RadioLog 8
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Manufactured by Hanwell | Ellab (€ 🗵 RoHS



## 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