

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.



LUX



UV



Radio transmitter

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

| 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 |

| 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 |
| Hardware required | CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater |

Manufactured by Hanwell | Ellab RoHS

Version 3 - EC190194

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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/m ² |
| UV Wavelength | 215 to 365nm |
| Linearity | 1% |
| Angular response | Cosine |
| Long term drift | <1%FS per year |