

# ML4114 data logger

## Pro ML4000RHT Series

Part of the **Hanwell Pro** ML4000RHT Series, the ML4114 combines high accuracy temperature and humidity measurement using an EE07 probe. The instrument includes LCD display.

### Features

- ✓ Combined temperature & humidity measurement
- ✓ LCD display with data readings & battery life
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery & USB socket
- ✓ Logger memory capacity of 50,000 readings
- ✓ Up to 3 year battery life
- ✓ Complies with RoHS to 2011/65/EU (RoHS2) directive and FCC regulation
- ✓ Carries CE Marking

### Typical Applications

- Showcases and exhibition display
- Storage of collections
- Ambient room conditions

Free HanLog software



Compatible with Hanwell EMS

| Instrumentation specification |   |
|-------------------------------|---|
| Dimension (Excl. ancillaries) | 4.3 x 3.1 x 1.4 in.   |
| Weight                        | 7.1 oz.   |
| Power supply                  | 3.6V AA Lithium battery   |
| Case material                 | ABS & PC  |
| Memory capacity               | 50,000 readings per channel (unit can be set to wrap or stop when full) |
| Clock accuracy (logging)      | 20 ppm at 77°F  |
| IP Rating                     | IP30  |
| Instrument operating range    | -4°F to +149°F in a non-condensing RH environment                       |
| Storage temperature           | -40°F to +140°F   |
| Resolution                    | 0.2°F (temp), 0.2%RH (humidity)   |



- Temperature
- Humidity
- Data logger

Product code: ML4114

| Data Logger Functions |   |
|-----------------------|---|
| Logging Intervals     | Programmable from 10 seconds to 24 hours              |
| Record Capacity       | 50,000 readings                                       |
| Battery life          | Up to 3 years (depending on format of data retrieval) |
| PC Interface          | USB Communications                                    |
| Software required     | W200 – HanLog 4.5+ Software Package                   |

| Accessories |                         |
|-------------|-------------------------|
| Y119        | Wall mounting bracket   |
| 88706       | AA Lithium battery      |
| Y055        | USB Cable               |
| G129        | 3.6V AA Lithium bracket |

Ultimate peace of mind

Version 1 - EC180004

**Disclaimer:** The information contained herein is believed to be reliable. Hanwell Inc 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 separately)

**J140 EE07-02 RH/T probe**

|                             |  |
|-----------------------------|--|
| <b>Temperature Probe</b>    | <b>PT1000 (Tolerance class A)</b>                          |
| Temperature operating range | -40°F to +176°F (restricted by instrument operating range) |
| Cable operating range       | -40°F to +176°F  |
| Temperature accuracy        | +/- 0.2°F at 68°F (see temperature accuracy chart)         |
| Long term drift             | +/- 0.1°F per year   |
| <b>Humidity Probe</b>       | <b>Capacitive Polymer</b>                                  |
| Recommended range           | 0-100% RH non condensing                                   |
| Accuracy                    | +/- 2% (0-90%)<br>+/- 3% (90-100%)                         |
| Temperature dependance      | <(0.025+ 0.0003 x RH) [%RH/((°F-32)*5/9]                   |

Temperature accuracy chart for EE07 probe

