

ML4114 data logger

Pro ML4000RH/T 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 and discreet design.

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 per channel
- ✓ Up to 3 year battery life
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

Typical Applications

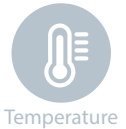
- Dry storage
- Ambient room conditions

Free HanLog
software



Compatible with
Hanwell EMS

Instrumentation specification	
Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Battery life	Up to 3 years (depending on format of data retrieval)
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 25°C
IP Rating	IP30
Instrument measuring range	-40°C to +80°C
Instrument operating range	-20°C to +60°C in a non-condensing RH environment
Instrument storage temperature	-40°C to +60°C
Resolution	0.1°C (temp), 0.1%RH (humidity)
Memory	4MB Flash



Temperature



Humidity



Data logger

Product code: ML4114

Data Logger Functions	
Logging Intervals	Programmable from 10 seconds to 24 hours
Record Capacity	50,000 readings per channel
PC Interface	USB Communications
Software required	W200 – HanLog 4.5+ Software Package

Product codes	
88706	AA Lithium battery
Y119	Wall mounting bracket
Y055	USB Cable
Probe options	Please refer to the Hanwell Pro Sensor datasheet

Ultimate peace of mind



RoHS

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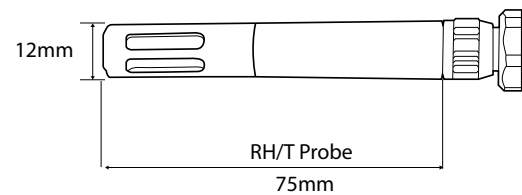
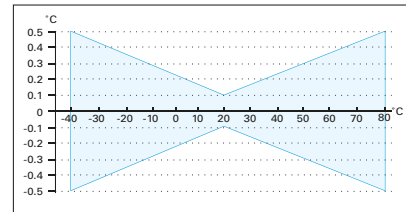
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Sensor options (supplied separately)

J140 EE07-02 RH/T probe

Temperature Probe	PT1000 (Tolerance class A)
Temperature operating range	-40°C to +80°C (restricted by instrument operating range)
Cable operating range	-40°C to +80°C
Temperature accuracy	+/- 0.1°C at 20°C (see temp accuracy chart)
Long term drift	+/- 0.05°C per year
Humidity Probe	Capacitive Polymer
Recommended range	0-100% RH non condensing
Accuracy	+/- 2% (0-90%) +/- 3% (90-100%)
Temperature dependance	<(0.025+0.0003xRH)[%RH/°C]

Temperature accuracy chart for EE07 probe



Probe with Y421 cable