

HL4116 data logger

Pro HL4000RH/T Series

Part of the **Hanwell Pro** HL4000RHT Series, the HL4116 combines C-Sense external temperature, EE07-02 relative humidity probe and internal PT1000 temperature sensor. The instrument includes LCD display.



Temperature



Humidity



Data logger

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 33,333 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
- Fridge and freezer (with remote probe)

Free HanLog software



Compatible with Hanwell EMS



Product code: HL4116

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	33,333 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 operating range	-20°C to +65°C in a non-condensing RH environment
Storage temperature	-40°C to +60°C
Resolution	0.1°C (temp), 0.1%RH (humidity)

Data Logger Functions	
Memory	4MB Flash
Logging Intervals	Programmable from 10 seconds to 24 hours
Record Capacity	33,333 readings per channel
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
Y421-3	EE Probe extension lead 3 meters
Y421-5	EE Probe extension lead 5 meters

Ultimate peace of mind **RoHS**

Version 1 - EC180002

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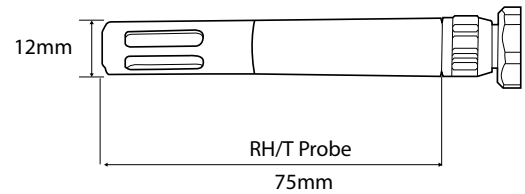
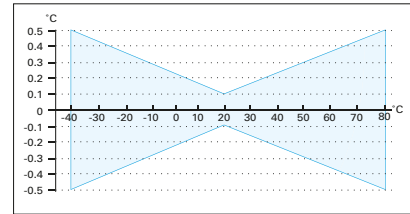
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Sensor options (supplied separately)

J140 EE07-02 RH/T probe

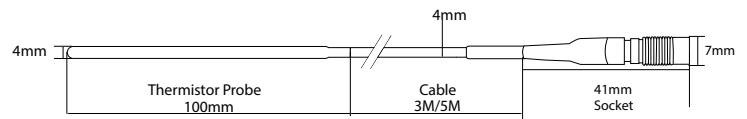
Temperature Probe	PT1000 (Tolerance class A)
Temperature operating range	-40°C to +80°C (restricted by instrument operating range)
Cable operating range	-40°C to +80°C
Temperature accuracy	+/- 0.1°C at 20°C (see temp accuracy chart)
Long term drift	+/- 0.05°C per year
Humidity Probe	Capacitive Polymer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

Temperature accuracy chart for EE07 probe



J095-3-05/J095-5-05 Remote precision thermistor probe 3mtr/5mtr (other cable lengths available)

Probe operating range	-40°C to +60°C (restricted by instrument operating range)
Accuracy	+/- 0.1°C between -10°C to +40°C +/- 0.3°C outside these extremes
Long term drift	< 0.1°C per year



Y300 Short precision thermistor probe sensor specification

Probe operating range	-40°C to +60°C (restricted by instrument operating range)
Accuracy	+/- 0.1°C between -10°C to +40°C +/- 0.3°C outside these extremes
Long term drift	< 0.1 °C per year

