

# HL4115 data logger

## Pro HL4000RH/T Series

Part of the **Hanwell Pro** HL4000RHT Series, the HL4115 combines C-Sense external temperature and EE07-02 relative humidity probe. 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 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
- Fridge and freezer (with remote probe)

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
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 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)



Product code: HL4115

Data Logger Functions	
Memory	4MB Flash
Logging Intervals	Programmable from 10 seconds to 24 hours
Record Capacity	50,000 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 W300 – HanLog 4.5+ Validated Software Package for Industrial, Food, Pharma & Hospital

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

**Disclaimer:** The information contained herein is believed to be reliable. Hanwell Ltd is not responsible for any Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

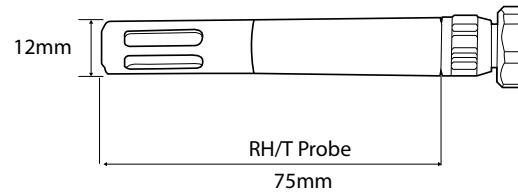
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# Sensor options (supplied separately)

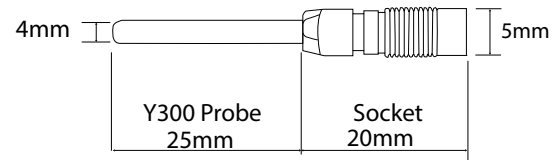
## J140 EE07-02 RH/T probe

Humidity Probe	Capacitive Polymer
Recommended range	0-100% RH non condensing
Accuracy	+/- 2% (0-90%) +/- 3% (90-100%)
Temperature dependance	$<(0.025+0.0003 \times RH)[\%RH/^{\circ}C]$



## 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



## 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

