# HL4108 data logger Pro HL4000RH/T Series

Part of the Hanwell Pro HL4000RHT Series, the HL4108 combines, temperature and humidity measurement using an integral Sensiron SHT35 sensor with the option of connecting a remote temperature probe. The instrument includes an 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 33,333 readings per channel
- ✓ Up to 3 year battery life
- ✓ Complies with RoHS, EU & WEEE directives and carries UKCA and CE Marking

110 x 80 x 35mm (Excl. ancillaries)

#### Typical Applications

Dry storage

Dimension

Weight

Ambient room conditions

Instrumentation specification

Surface temperature

software

200 grams



Compatible with Hanwell EMS

Product code: HL4108

Data Logger Functions			
Memory	Flash		
Logging Intervals	Programmable from 10 seconds to 24 hours		
Record Capacity	33,333 readings per channel		
PC Interface	USB Communications		
Software required	W200 – HanLog 8 or later Software Package		
Software Compatibility	EMS - All Versions		
*Note: When using minutes.	EMS, the <b>minimum</b> Logging Interval is 15		

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

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	33,333 readings per channel (unit can be set to wrap or stop when full)
Clock accuracy (logging)	20 ppm at <b>25°C</b>
IP Rating	IP30
System Temperature Acc	uracy (Transmitter Unit + Sensor) Sensiron SHT35 Prob
Temperature accuracy	+/- 0.3°C at -20°C to +60°C
Long term drift	<0.03°C/yr
System Temperature Acc	uracy (Transmitter Unit + Sensor) Y306 Probe
Operating range	20°C to +60°C
Temperature accuracy	+/- 0.2°C between -10°C to +40°C +/- 0.4°C outside these extremes
Long term drift	<0.1°C/yr
System Humidity Accura	cy (Transmitter Unit + Sensor) Sensiron SHT35 Probe
Humidity accuracy	+/- 3%RH at +25°C
Humidity range	0 - 100% RH
Long-term drift	<0.25% RH/yr
Transmitter Unit	
Measuring range	Temp: -20°C to +60°C RH: 0-100% non-condensing
Operating range	-20°C to +60°C in a non-condensing RH environment
Storage temperature	-40°C to +60°C
Resolution	<b>Temp:</b> 0.1°C <b>RH:</b> 0.1%

Manufactured by Ellab Monitoring Solutions

Version 7 - EC210068

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### hanwell.com

Tel: +44 (0)1462 688070 | Email: sales.hanwell@ellab.com



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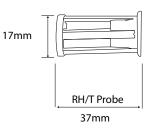
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## Onboard sensors (supplied with unit)

Internal temperature sensor	Precision Thermistor
Operating range	-20°C to +60°C (restricted by instrument operating range)
Accuracy	+/- 0.3°
Long term drift	< 0.1°C per year

Fixed relative humidity sensor	Capacitive Polymer	
Operating range	10-90% RH non condensing	
Accuracy	+/- 3% RH	
Temperature dependence	<(0.025+0.0003xRH)[%RH/°C]	



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