

HL4108 data logger

Pro HL4000RH/T Series

Part of the **Hanwell Pro** HL4000RHT Series, the HL4108 combines temperature and humidity measurement using onboard sensors with the option of connecting a remote temperature 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 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
- Surface temperature



Product code: HL4108

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 | 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 |
| Y055 | USB Cable |

Ultimate peace of mind



RoHS

Version 1 - EC180002

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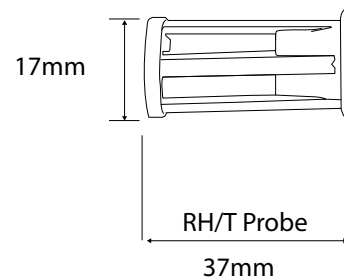
Tel: +44 (0)1462 688070 | Email: sales@hanwell.com

Sensor options

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 |

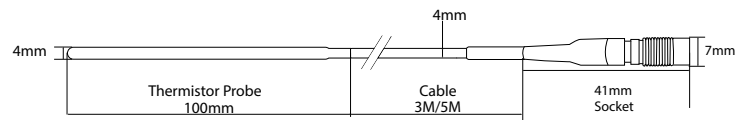
| Fixed relative humidity sensor | Capacitive Polymer |
|--------------------------------|----------------------------|
| Operating range | 10-90% RH non condensing |
| Accuracy | +/- 3% RH |
| Temperature dependence | <(0.025+0.0003xRH)[%RH/°C] |



Additional sensors (supplied separately)

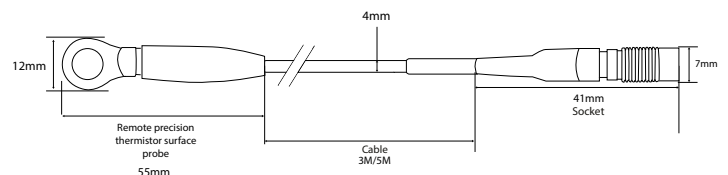
J095-3-05/J095-5-05 Remote precision thermistor probe 3mtr/5mtr (other cable lengths available)

| | |
|-----------------------|--|
| Probe operating range | 0°C to +125°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 |



Y306-3-05/Y306-5-05 Remote precision thermistor surface probe (3mtr/5mtr)

| | |
|-----------------------|--|
| Probe operating range | 0°C to +125°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 |



Ultimate peace of mind **RoHS**

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