

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

Typical Applications

- Dry storage
- Ambient room conditions
- Surface temperature

Free HanLog software



Compatible with Hanwell EMS

Product code: HL4108



| Instrumentation specification | |
|--|---|
| Dimension | 110 x 80 x 35mm (Excl. ancillaries) |
| 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 25°C |
| IP Rating | IP30 |
| System Temperature Accuracy (Transmitter Unit + Sensor) Sensiron SHT35 Probe | |
| Temperature accuracy | +/- 0.3°C at -20°C to +60°C |
| Long term drift | <0.03°C/yr |
| System Temperature Accuracy (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 Accuracy (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 | Temp: 0.1°C RH: 0.1% |

| 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 EMS, the **minimum** Logging Interval is 15 minutes.

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

Manufactured by Ellab Monitoring Solutions



Version 7 - EC210068

Disclaimer: The information contained herein is believed to be reliable. Ellab Monitoring Solutions Ltd is not responsible for any incorrect or incomplete information on this datasheet and the information or product may be changed without notice. Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

hanwell.com

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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] |

