

# ML4108 data logger

## Pro ML4000RH/T Series

Part of the **Hanwell Pro** ML4000RHT Series, the ML4108 combines temperature and humidity measurement using onboard sensors with the option of connecting a remote temperature probe. The instrument includes 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
- ✓ Carries CE Marking

### Typical Applications

- Showcases
- Ambient room conditions
- Stored collections

**Free HanLog software**



**Compatible with Hanwell EMS**



Temperature



Humidity



Data logger



Product code: ML4108

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 80 x 35mm
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
Instrument measuring range	-20°C to +60°C (extended to 0°C to 125°C with external probes)
Instrument operating range	-20°C to +60°C in a non-condensing RH environment
Instrument storage temperature	-40°C to +60°C
Resolution	0.1°C (temp), 0.1%RH (humidity)
Memory	4MB Flash

### Data Logger Functions

Logging Intervals	Programmable from 10 seconds to 24 hours
Record Capacity	33,333 readings per channel
PC Interface	USB Communications
Software required	W200 – HanLog 4.5+ Software Package

### Product codes

88706	AA Lithium battery
Y119	Wall mounting bracket
Y055	USB Cable
Probe options	<a href="#">Please refer to the Hanwell Pro Sensor datasheet</a>

Manufactured by Hanwell | Ellab   RoHS

Version 4 - EC190194

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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]

