## 

# 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

## 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
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



## Product code: ML4108

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
Software compatibility	EMS - All Versions Synergy - All Versions RadioLog 8

Product codes	
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 Œ

Version 6 - EC210080

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UK CA

🕱 RoHS



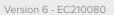
## Onboard sensors (supplied with unit)

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

ixed relative humidity sensor	Capacitive Polymer	
Operating range	10-90% RH non condensing	
Accuracy	+/- 3% RH	17mm
Temperature dependence	<(0.025+0.0003xRH)[%RH/°C]	

37mm

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