

ML4108 transmitter

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 and 434.075MHz frequency as standard.

Features

- ✓ Combined temperature & humidity measurement
- ✓ LCD display with 33,333 data readings per channel & up to 2 years battery life
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery & USB socket
- ✓ Low power radio for long distance transmission (3km over open ground)
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

Typical Applications

- Historical building surface temperatures
- Ambient room conditions
- Stored collections

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: ML4108-434.075

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 2 years (dependent on conditions of use and instrument settings)
Case material	ABS & PC
Memory capacity	33,333 readings per channel (unit will wrap 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)

Radio transmitter functions	
Frequency options	A range of frequencies are available between 433-458MHz. Country specific regulations apply.
Radio power	10mW
Radio range	3km over open ground
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Software compatibility	EMS - All Versions Synergy - All Versions RadioLog 8
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Product codes	
88706	AA Lithium battery
Y119	Wall mounting bracket
Probe options	Please refer to the Hanwell Pro Sensor datasheet

Manufactured by Hanwell | Ellab RoHS

Version 6 - EC200122

Disclaimer: The information contained herein is believed to be reliable. Hanwell 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.

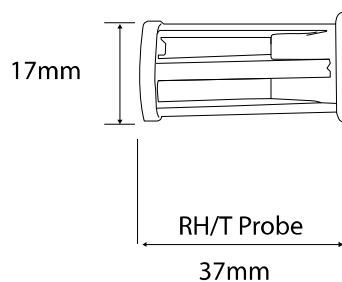
hanwell.com

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

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°C
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]



Manufactured by Hanwell | Ellab   RoHS

Version 6 - EC200122

Disclaimer: The information contained herein is believed to be reliable. Hanwell 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.



TR instruments
 Tel.: +420 541 633 670
 Fax: +420 541 212 413
 Křižíkova 70, 612 00 Brno
 tri@trinstruments.cz

hanwell.com

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