

IN-MA001F1 transmitter

IceSpy Dual channel 4-20ma

Flexible and reliable multi-purpose analogue sensors within the Hanwell IceSpy series for monitoring multiple parameters such as CO2, air flow and differential pressure.

Features

- ✓ Superior performance hardware with high accuracy sensors
- ✓ Waterproof to IP65* (relates to Hanwell IceSpy transmitter, probes used with the transmitter may vary)
- ✓ All transmitters incorporate a wall bracket
- ✓ Easily accessible battery for user replacement, if required
- ✓ Low power radio for long distance transmission
- ✓ Up to 2 year battery life
- ✓ Complies with RoHS, EU directives and WEEE
- ✓ Carries CE Marking

Typical Applications

- Comprehensive measurement options for multiple applications across food, healthcare and pharmaceutical industries



Compatible with Hanwell EMS

Instrumentation specification	
Dimension (Excl. ancillaries)	165 x 65 x 35mm (40mm including mounting bracket)
Weight	150g (including battery)
Power supply	1 x 1.5V AA Lithium battery
Case material	ABS
Memory capacity	On board logging capability for 5 days
IP rating	IP65
Input type	2 Channels 4-20mA
Resolution	12 BIT
Accuracy	+/- 0.15%
Instrument operating range	-30°C to +50°C
Storage temperature	-40°C to +85°C

Accessories	
G301	AA 1.5V Lithium Battery
G301-4	AA 1.5V Lithium Battery pack of 4



Carbon Dioxide



Differential Pressure



Airflow

Product code: IN-MA001F1

Radio transmitter functions	
Radio frequency	433-434MHz Band
Radio power	Max 10mW, duty cycle >0.1%
Radio range	300m over open ground
Radio protocol	Frequency hopping for greater security
Battery Life	Up to 2 years (dependent on use)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Hardware required	IN-NR001F1 - Hanwell IceSpy Network Receiver Repeater (only required in special circumstances which would be discussed with you in your signal strength test)

Probe options [Please refer to the Hanwell IceSpy Sensor datasheet](#)

Manufactured by Hanwell | Ellab RoHS

Version 3 - EC190194

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.

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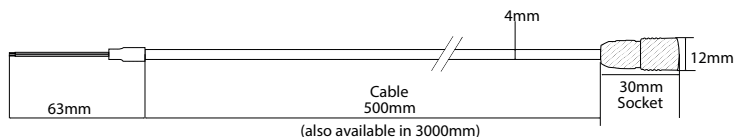
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Cable options (supplied separately)

Two cable options available

- IN- LSC0.5 0.5 meter analogue transmitter connection cable
- IN-LSC3.0 3 meter analogue transmitter connection cable

Analogue transmitter connection cable



Schematic

