

# 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	+/- 1 BIT
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 2 - EC190194

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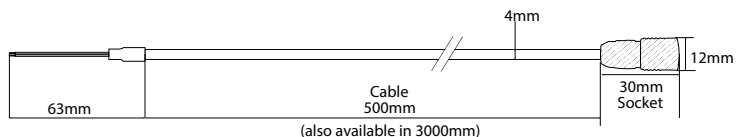
# Cable options (supplied separately)

**Two cable options available**

IN- LSC0.5      0.5 meter analogue transmitter connection cable

Analogue transmitter connection cable

IN-LSC3.0      3 meter analogue transmitter connection cable



Schematic

