Hanwell

IN-MA001F2 transmitter
IceSpy Dual channel 4-20ma

Flexible and reliable multi-purpose analogue sensors within the Hanwell IceSpy series for monitoring multiple parameters such as CO_2, air flow and differential pressure.

CO_2
Carbon Dioxide

Pa
Differential Pressure

Airflow

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 incoporate a wall bracket
✓ Easily accessible battery for user replacement, if required
✓ Low power radio for long distance transmission
✓ Up to 1.5 year battery life
✓ Complies with RoHS to 2011/65/ EU (RoHS2) directive
✓ Complies with FCC regulation
✓ Carries CE Marking

Typical Applications

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

Compatible with Hanwell EMS

Product code: IN-MA001F2

Instrumentation specification	
Dimension (Excl. ancillaries)	6.5 x 2.6 x 1.3 in. (1.6 including mounting bracket)
Weight	5.3 oz. (including battery)
Power supply	1 x 1.5V AA Lithium battery
Case material	ABS
Memory capacity	On board logging capability for 5 days
Nominal logging interval	15 minutes
IP rating	IP65
Input type	2 Channels 4-20mA
Resolution	12 BIT
Transmitter unit accuracy	+/- 0.15%
Instrument operating range	-22°F to +122°F
Storage temperature	-40°F to +185°F

Radio transmitter functions	
Radio frequency	902-928 MHz Band
Radio power	Max 10mW, duty cycle <0.1%
Radio range	Approx. 2600 ft. over open ground
Radio protocol	Frequency hopping for greater security
Nominal transmit interval	90 seconds
Battery Life	Up to 1.5 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-NR001F2** - Hanwell IceSpy Network Receiver **IN-RP001F2** - Hanwell IceSpy Repeater (Repeater only required in special circumstances which would be discussed with you following your Signal Strength Test)
Probe options	Please refer to the Hanwell IceSpy Sensor datasheet

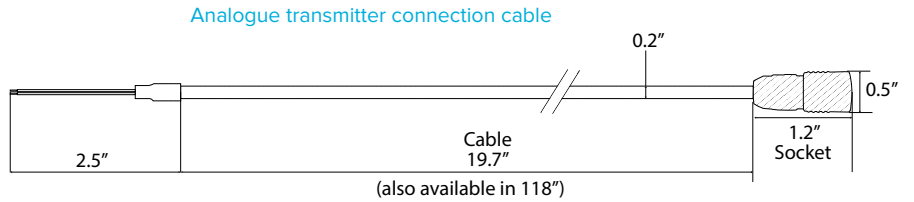**Ultimate peace of mind**   MADE IN BRITAIN   CE   RoHS   FC

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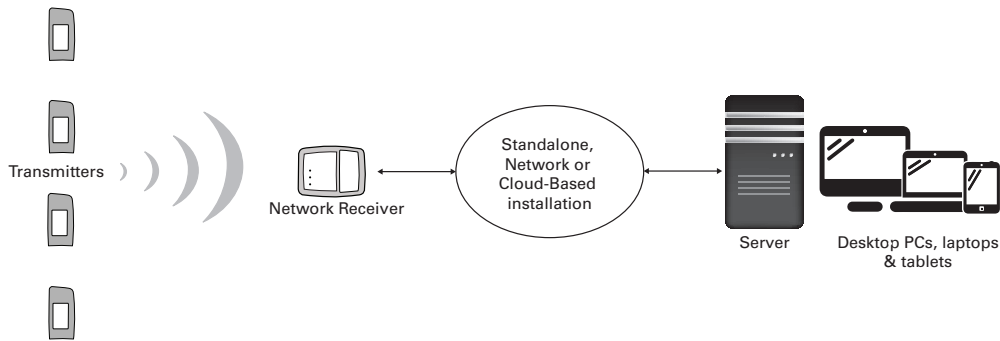# Cable options (supplied separately)

Two cable options available	
IN- LSC0.5	Approx. 1.5 ft. analogue transmitter connection cable
IN-LSC3.0	Approx. 10 ft. analogue transmitter connection cable

Analogue transmitter connection cable

0.2"

0.5"

2.5"

Cable
19.7"

1.2"
Socket

(also available in 118")

Schematic

Transmitters

Network Receiver

Standalone,
Network or
Cloud-Based
installation

Server

Desktop PCs, laptops
& tablets

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