

IceSpy Notion Pro

Multi-Purpose Analogue Transmitters: CO2, differential pressure & airflow

The IceSpy Notion pro series of multi-purpose analogue transmitter units provide users with a flexible, reliable and waterproof* solution to CO2, air flow and differential pressure measurement.

Each unit has been designed to be fully compatible with Notion Pro's predecessor System 5 and include a comprehensive range of measurement options for multiple applications across Food, Healthcare and Pharmaceutical industries.



notion^{pro}

Affordable wireless monitoring
without compromise

Data is easily transferred wirelessly to the local Network Receiver for immediate and real-time data collection within the systems software. Each of the Notion Pro transmitter units have a radio range that can reach up to 300mtrs (over open ground) using dependable wireless technology you can fully rely on. For added data security each transmitter has on-board logging capability for 5 days, data is downloaded via RFID.

The units are powered by a single 1.5V AA Lithium battery, which can be replaced by the user as and when required, battery life will be 2 years plus, with notification when a change is required.

Product Features

- Superior performance hardware with high accuracy sensors
- Vast range of units and sensors provide users with multiple temperature related applications
- Waterproof to IP65*
- Easily accessible battery for user replacement, when required
- UKAS calibratable hardware
- All transmitters incorporate a wall bracket
- Low power radio for long distance transmission
- Battery life 2 years plus
- Complies with BS EN 12830
- Complies with RoHS, EU directives and WEEE
- Carries CE Marking

*IP65 relates to Notion transmitter. Probes used with the transmitter may vary.

Benefits

- Assists with HACCP, MHRA and other national regulatory requirements
- Reduces errors resulting from manual checks
- Eliminate time spent taking manual readings
- Improve product quality with small non-intrusive transmitters
- Reduces the risk of damage to stock caused by temperature fluctuations

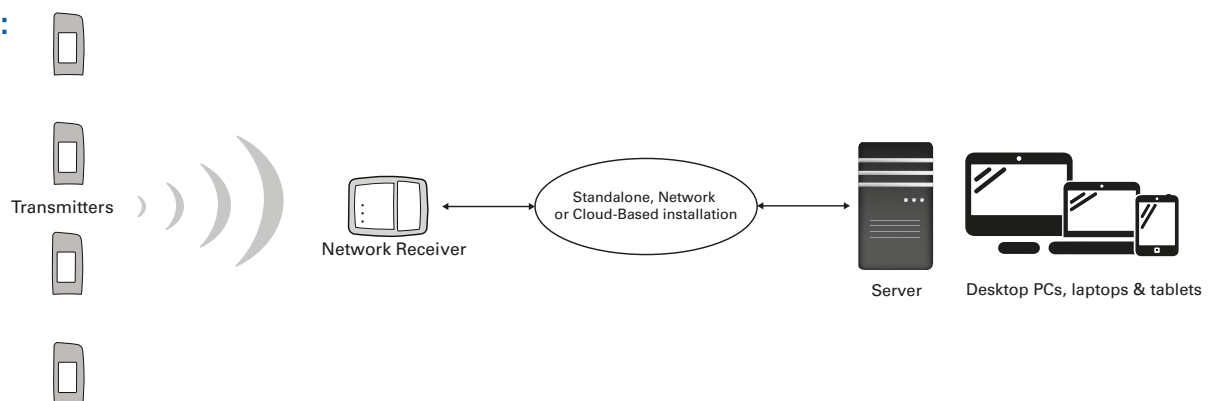
Always ask for a
long-range signal
strength test when
buying any radio
system.
We can prove ours
to be unrivalled.

TECHNICAL SPECIFICATIONS

Radio Transmitter Functions (applicable to all Notion Pro Temperature transmitters)

Frequency:	433-434MHz band
Radio Protocol:	Frequency hopping for greater security
Radio Power:	Max 10mW, duty cycle >0.1%
Radio Range:	300mtrs over open ground
Software Required:	IceSpy Notion Pro
Case Material:	ABS
Operating Temp:	-30°C to +50°C
Storage Temp:	-40°C to +85°C
Power Supply:	12VDC via external universal power supply. Power supply included. (IMC recommend only IMC approved power supplies stock code:G422)
Battery Life:	2 years plus
Battery:	1.5V AA Lithium*1 1.5V AA Alkaline (Not recommended for use below -10°C) *2 *1 – IMC only recommend the approved and tested Energizer Ultimate LithiumL91 (IMC stock No. G301) *2 – Battery life will be reduced at low temperatures Duracell ID1500-10 (IMC stock No. 88705)
Hardware Required:	- Network Receiver - Repeater (only required in special circumstances)* * Whether you need repeaters or not would be discussed with you in your signal strength test
Optional Hardware:	- ARB module (Alarm, RFID and Bluetooth) - SMS module
Typical Application:	Allows non-standard sensors such as: - CO2 - Airflow - Differential Pressure - Pressure - Level - Flow To be interfaced and transmitted back into the Notion Pro software. There is a range of transmitters with different analogue inputs to accommodate a range of sensors with different analogue outputs.

Schematic:



Disclaimer

The information contained herein is believed to be reliable. The IMC Group 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 IMC products.

Version 1

NP3400

DUAL CHANNEL 4-20MA TRANSMITTER

PART NO. IN-MA001F1

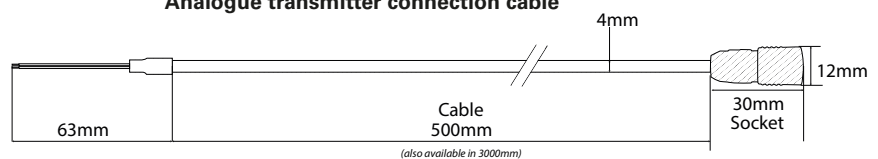


INSTRUMENT SPECIFICATIONS

Dimensions:	130 x 65 x 32mm (40 including mounting bracket)
Weight:	150g including battery
Input Type:	2 channels 4 - 20 mA
Resolution:	12 BIT
Accuracy:	+/- 1 BIT
IP Rating:	IP65

Two probe options available:
 IN-LSC0.5 - Notion 0.5 meter analogue transmitter connection cable
 IN-LSC3.0 - Notion 3 meter analogue transmitter connection cable

Analogue transmitter connection cable



NP3400

DUAL CHANNEL VOLTAGE TRANSMITTER 0-1V

PART NO. IN-VT001F1

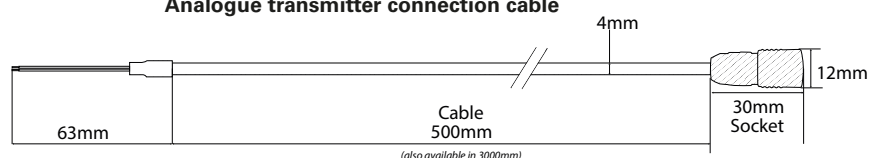


INSTRUMENT SPECIFICATIONS

Dimensions:	165 x 65 x 35mm (40 including mounting bracket)
Weight:	150g including battery
Input Type:	2 channels 0-1 VCD
Resolution:	12 BIT
Accuracy:	+/- 1 BIT
IP Rating:	IP65

Two probe options available:
 IN-LSC0.5 - Notion 0.5 meter analogue transmitter connection cable
 IN-LSC3.0 - Notion 3 meter analogue transmitter connection cable

Analogue transmitter connection cable



NP3400

DUAL CHANNEL VOLTAGE TRANSMITTER 0-5V

PART NO. IN-VT002F1

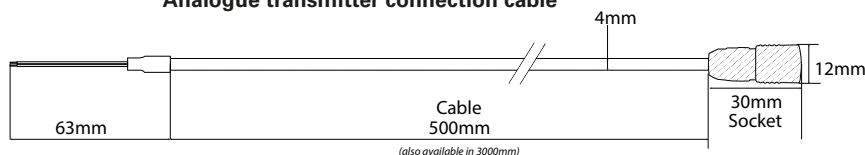


INSTRUMENT SPECIFICATIONS

Dimensions:	165 x 65 x 35mm (40 including mounting bracket)
Weight:	150g including battery
Input Type:	2 channels 0-5 VDC
Resolution:	12 BIT
Accuracy:	+/- 1 BIT
IP Rating:	IP65

Two probe options available:
IN-LSC0.5 - Notion 0.5 meter analogue transmitter connection cable
IN-LSC3.0 - Notion 3 meter analogue transmitter connection cable

Analogue transmitter connection cable



NP3400

DUAL CHANNEL VOLTAGE TRANSMITTER 0-10V

PART NO. IN-VT003F1



INSTRUMENT SPECIFICATIONS

Dimensions:	165 x 65 x 35mm (40 including mounting bracket)
Weight:	150g including battery
Input Type:	2 channels 0-10 VDC
Resolution:	12 BIT
Accuracy:	+/- 1 BIT
IP Rating:	IP65

Two probe options available:
IN-LSC0.5 - Notion 0.5 meter analogue transmitter connection cable
IN-LSC3.0 - Notion 3 meter analogue transmitter connection cable

Analogue transmitter connection cable

