

IN-TT001/002 F1 transmitter

IceSpy NP3200 Series

Part of the **Hanwell IceSpy** NP3200 series, the IN-TT001/002F1 is an external type T transmitter for multiple applications across food, healthcare and pharmaceutical industries.

Features

- ✓ Vast range of units and sensors provide users with multiple temperature related applications
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery for replacement by the user, when required
- ✓ Transmitters incorporate a wall bracket
- ✓ Low power radio for long distance transmission
- ✓ Up to 2 year battery life (dependent on use)
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking
- ✓ Complies with BS EN 12830

Typical Applications

- Cryogenic Temperature monitoring
- Ovens and cooking processing
- Water baths

Instrumentation specification	
Dimension (Excl. ancillaries)	165 x 65 x 35mm (40 including mounting bracket)
Weight	150 grams (including battery)
Power supply	1 x 1.5V AA Lithium battery
Battery life	Up to 2 years (dependent on conditions of use)
Memory capacity	On board logging capability for 5 days
Nominal logging interval	1 minute
Case material	ABS
IP Rating	IP53
Instrument measuring range	-200°C to +300°C
Instrument operating range	-30°C to +50°C in a non-condensing RH environment
Instrument accuracy	+/- 0.5°C between 0°C to 350°C +/- 1°C between -100°C to 0°C +/- 1.5°C between -200°C to -100°C
Instrument storage temperature	-40°C to +85°C
Resolution	0.3°C

Note: Can be used with thermocouple extension cable up to 20 mtrs, when using thermocouples with longer wiring, users need to be aware of potential risks of electrical noise. These units are designed to provide low cost, accurate thermocouple temperature measurement. The thermocouple sensing element provides fast temperature response, however the radio transmitter case is designed to operate in relatively stable temperature environments such as in an office, warehouse or factory. These units are not suitable for use where the transmitter case is subject to rapid temperature swings, such as in a blast freezer.



Temperature



Radio transmitter

Photo shows IN-TT001F1 single channel

Radio transmitter functions	
Frequency options	433-434MHz.
Radio power	10mW, duty cycle <0.1%
Radio range	300m over open ground
Nominal transmit interval	1 minute
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)

Product codes	
IN-TT001F1	Single channel
IN-TT002F1	Dual channel
G301	AA Lithium battery
G301-4	AA 1.5V Lithium Battery pack of 4
Probe options	Please refer to the Hanwell IceSpy Sensor datasheet

Manufactured by Hanwell | Ellab   RoHS

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