

IN-TTD01F1 transmitter

IceSpy NP3200 Series

Part of the **Hanwell IceSpy** NP3200 series, the IN-TTD01F1 is a single channel external type T transmitter with a door switch 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 and complies with BS EN 1283
- ✓ Carries CE and UKCA Marking

Typical Applications

- Cryogenic Temperature monitoring
- Ovens and cooking processing
- Door status



Product code: IN-TTD01F1



Instrumentation specification	
Dimension (Excl. ancillaries)	165 x 65 x 35mm (40mm 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	10 minutes
Case material	ABS
IP Rating	IP53
Instrument measuring range	-200°C to +200°C with J043 probe -200°C to +300°C with J044 probe
Instrument operating range	-30°C to +50°C in a non-condensing RH environment
System accuracy (Transmitter and probe)	System accuracy with J043 and J044 probes: ±(0.5+0.004* t)°C above 125°C ±1°C between 0°C and 125°C ±1.5°C between -40°C and 0°C ±2°C between -65°C and -40°C ±(1+0.015* t)°C between -100°C and -65°C ±(1.5+0.015* t)°C between -200°C and -100°C
Long term drift	< 0.1°C per year
Instrument storage temperature	-40°C to +85°C
Resolution	0.3°C above -100°C 0.5°C below -100°C

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. IN-RP001F1 - Hanwell IceSpy Repeater (Repeater only required in special circumstances which would be discussed with you following your Signal Strength Test)

Product codes	
G301	AA Lithium battery
G301-4	AA 1.5V Lithium Battery pack of 4
Probe options	Please refer to the Hanwell IceSpy Sensor datasheet

Note: The Unit can be used with a thermocouple extension cable of up to 20 metres; however, 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. As a consequence, these units are not suitable for use where the transmitter case is subject to rapid temperature swings, such as in a blast freezer.

Manufactured by Hanwell | Ellab

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