

# IN-PTD01F1 transmitter

## IceSpy NP3100 Series

Part of the **Hanwell IceSpy** NP3100, the IN-PTD01F1 is a single channel external PT100 transmitter with door switch alarm 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 BS EN 12830
- ✓ Carries UKCA and CE Marking

### Typical Applications

- Ultra cold freezers (-80°C)
- Door status

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: IN-PTD01F1



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	IP65
Unit measuring range	-100°C to +200°C
Unit operating range	-90°C to +200°C - <b>IN-PT143</b> or <b>IN-PT100-WP probes</b> -100°C to +200°C - <b>IN-PT143-CAL probe</b>
Unit storage temperature	-40°C to +85°C
System accuracy	<b>With IN-PT143 or IN-PT100-WP probes:</b> -50°C to +200°C: +/- (0.25+0.002* t )°C Below -50°C: +/- (0.4+0.005* t )°C <b>With IN-PT143-CAL probe:</b> +/- (0.25+0.002* t )°C
Long term drift	<b>With IN-PT143 or IN-PT100-WP probes:</b> < 0.1°C per year* <b>With IN-PT143-CAL probe:</b> < 0.05°C per year* <small>* Dependent on conditions of use</small>
Resolution	0.1°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	<b>IN-NR001F1</b> - Hanwell IceSpy Network Receiver <b>IN-RP001F1</b> - 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 specifications	<a href="#">Please refer to the Hanwell IceSpy Sensor datasheet</a>

Manufactured by Hanwell | Ellab

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