

# Air Core Kit

## Internal temperature, external air core transmitter & door switch



Temperature



Radio transmitter

The Hanwell IceSpy series of temperature transmitter units are flexible, reliable and waterproof to IP65. Each unit has been designed to offer a comprehensive range of temperature measurement options 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

- Walk in fridges
- Freezers
- Walk in freezers
- Food core temperatures
- Healthcare core temperatures
- Two processes can be monitored with one unit



**Always ask for a long-range signal strength test.**



**We can prove ours to be unrivalled.**

### 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
Memory capacity	On board logging capability for 5 days
Case material	ABS
IP Rating	IP65
Instrument operating range	-30°C to +50°C
Storage temperature	-40°C to +85°C

### Radio transmitter functions

Frequency options	433-434MHz.
Radio power	10mW, duty cycle <0.1%
Radio range	300m over open ground
Battery life	Up to 2 years (dependent on conditions of use)
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)

### Accessories

88706	AA Lithium battery
IN-DC001	Door switch

Ultimate peace of mind



RoHS

Version 1 - EC180022

**Disclaimer:** The information contained herein is believed to be reliable. Hanwell Ltd is not responsible for any Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

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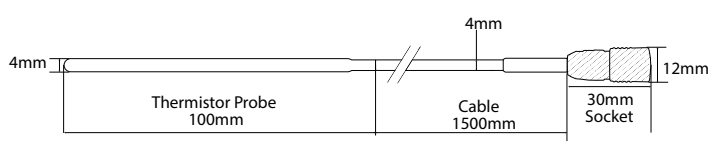
# Sensor supplied with unit

Internal temperature Sensor	Semiconductor
Recommended range	-30°C to +50°C
Accuracy	+/- 0.5°C
Resolution	0.1°C
Long term drift	< 0.1°C per year

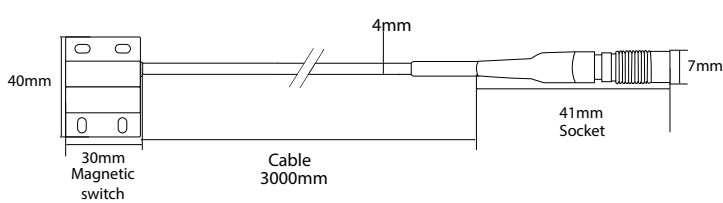
## Probe options (supplied separately)

### IN-TH150 / IN-TH300 External thermistor probe 1.5mtr/3 mtr cable

Probe operating range	-40°C to +100°C
Accuracy	+/- 0.5°C
Resolution	0.1°C
Long term drift	< 0.1°C per year

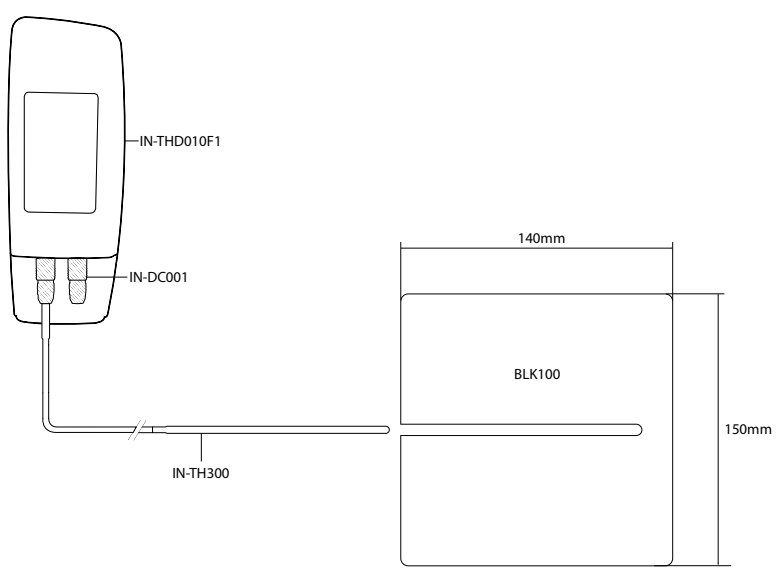


### IN-DC001 Magnetic reed door switch (3mtr cable)



## Air core Kit parts

- 1 x IN-THD010F1 Transmitter
- Plus
- 1 x IN-TH300 Core temperature probe
- Plus
- 1 x IN-DC100 Door Switch
- Plus
- 1 x BLK100 Simulant Block 100ML or 1 x BLK200 Simulant Block 200ML



Ultimate peace of mind **RoHS**

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