

# HM007 thermometer

## Handheld Series



The HM007 thermometer has integral barcode scanner and Bluetooth capabilities. The scanner records product location/ID plus time, date and temperature and Bluetooth transmits the data to a PC, mobile phone or PDA for easy portable temperature logging.

### Features

- ✓ Integral barcode reader
- ✓ Built in Bluetooth communications
- ✓ Logs up to 1000 times and dates temperature records
- ✓ Supplied complete with PC software
- ✓ Low battery indication
- ✓ °C/°F selectable
- ✓ User configurable Auto Switch Off capability
- ✓ Over range / Open circuit sensor indication
- ✓ Can be used with all available probes
- ✓ Infrared sensor compatibility

### Typical Applications

- Food manufacturing
- Food storage
- Catering/Food service



### Instrumentation specification

|                               |                                   |
|-------------------------------|-----------------------------------|
| Dimension (Excl. ancillaries) | 160 x 50 x 30 mm                  |
| Weight                        | 200 grams                         |
| Power supply                  | PP3 9V I.E.C 6F22 battery         |
| Case material                 | ABS plastic                       |
| Battery life                  | Greater than 200 hours (Alkaline) |

### Electrical

|                            |                                       |
|----------------------------|---------------------------------------|
| Measurement range          | -200°C to 1372°C (dependant on probe) |
| Accuracy @ 23°C            | +/- 1% of reading +/- 0.2°C           |
| Cold junction compensation | 0.0075°C/°C                           |
| Characteristic errors      | < 0.05°C                              |
| Temperature Coefficient    | 0.01% of reading/ °C                  |
| Resolution                 | 0.1° to 1° above 1000°C (autoranging) |

### Product code: HM007

### Environmental

|                           |               |
|---------------------------|---------------|
| Ambient Operating range   | 0°C to 50°C   |
| Storage temperature range | -20°C to 50°C |
| Humidity                  | 0 to 70% RH   |
| Temperature scales        | °C or °F      |

### Barcode

|                   |  |
|-------------------|--|
| Readable barcodes | All UPC/EAN/JAN Codes<br>EAN28 Codes<br>Code39 Code128 |
|-------------------|--|

### Bluetooth

|          |                         |
|----------|-------------------------|
| Class    | Class 1                 |
| Contains | FCC Id: S22btmodule-C11 |

### Accessories

|        |                                |
|--------|--------------------------------|
| HP01-S | Dual surface / immersion probe |
| HPS01  | Food simulant probe            |
| HP05   | General purpose needle probe   |
| HP07   | Heavy duty needle probe        |

Manufactured by Hanwell | Ellab RoHS

Version 2 - EC190194

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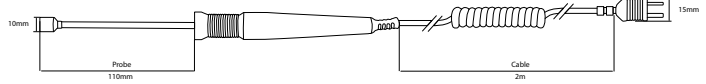
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# Probe options (supplied separately)

## HP01-S Dual surface /immersion probe

|                 |   |
|-----------------|---|
| Operating range | -50°C to +250°C   |
| Accuracy        | Type T Thermocouple<br>1/2 Class I (+/-0.2 5°C +/- 0.15%) |
| Size            | 10mm diameter by 110mm long                               |

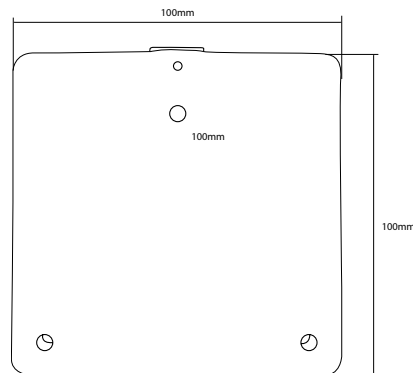


**Features:**

- Ribbon band sensor with thermocouple sensor attached and draught shield
- Stainless steel 316 (Food grade)
- 2M curly polyurethane cable with moulded connector
- Waterproof and dishwasher safe
- 2 in 1 probe used for surface temperatures and used immersed to take liquid temperatures
- Fast response

## HPS01 Food simulant probe

|                 |   |
|-----------------|---|
| Operating range | -50°C to +150°C   |
| Accuracy        | Type T Thermocouple<br>1/2 Class I (+/-0.2 5°C +/- 0.15%)             |
| Size            | 100 x 100 x 100mm Nylon block probe with internal thermocouple sensor |

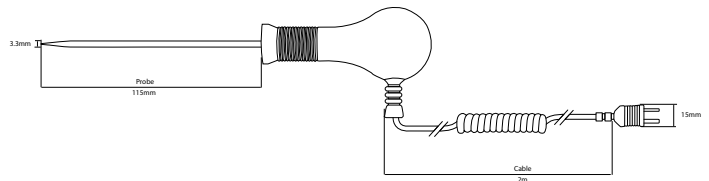


**Features:**

- Mini connection socket housed within body of probe
- Splash-proof
- Ideal for long term temperature measurement

## HP05 General purpose needle probe

|                 |   |
|-----------------|---|
| Operating range | -100°C to +280°C  |
| Accuracy        | Type T Thermocouple<br>1/2 Class I (+/-0.2 5°C +/- 0.15%) |
| Size            | 3.3 mm diameter by 100mm long                             |



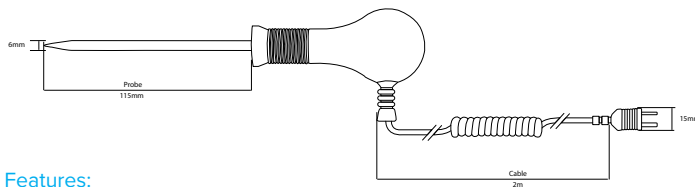
**Features:**

- Stainless steel 316 (Food grade)
- 2M curly polyurethane cable with moulded connector
- Waterproof and dishwasher safe
- Designed for cooked/chilled products, or any semi solid state material
- Includes Thermo sprint technology

# Probe options (supplied separately)

## HP07 Heavy duty needle probe

|                 |   |
|-----------------|---|
| Operating range | -100°C to +280°C  |
| Accuracy        | Type T Thermocouple<br>1/2 Class I (+/-0.2 5°C +/- 0.15%) |
| Size            | 6.0 mm diameter by 100mm long                             |



### Features:

- Stainless steel 316 (Food grade)
- 2M curly polyurethane cable with moulded connector
- Waterproof and dishwasher safe
- Designed for measurement of semi solid or solid materials
- Pencil point tip
- Includes Therna Sprint technology