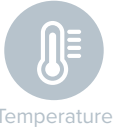


# HM004 thermometer

## Handheld Series



Part of the Hanwell Handheld Series, the HM004 is a versatile microprocessor based thermocouple thermometer. The dual display instrument is a high quality and highly accurate unit that offers max, min and hold functions/measurements.

### Features

- ✓ Quick and easy to use
- ✓ Dual display instrument which offers max, min and hold functions/measurements
- ✓ User configurable auto switch off capability
- ✓ Over range / Open circuit sensor indication
- ✓ Low battery indication
- ✓ Self-calibrating

### Typical Applications

- Food manufacturing
- Food storage
- Catering



Product code: HM004

Instrumentation specification	
Dimension (Excl. ancillaries)	130 x 70 x 33 mm
Weight	155 grams
Power supply	PP3 9V I.E.C 6F22 battery
Case material	ABS plastic
Battery life	Greater than 200 hours (Alkaline)
IP Rating	IP67

Electrical	
Measurement range	-200°C to 1372°C (dependant on probe)
Accuracy @ 23°C	+/- 0.2°C +/- 1% of reading
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)

Environmental	
Ambient Operating range	-30°C to 50°C
Storage temperature range	-40°C to 50°C
Humidity	0 to 70% RH
Temperature scales	°C or °F or °A

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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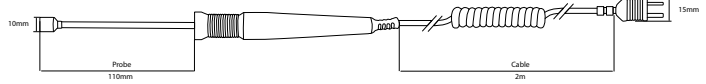
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# Probe options (supplied separately)

## HP01-S Dual surface /immersion probe

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

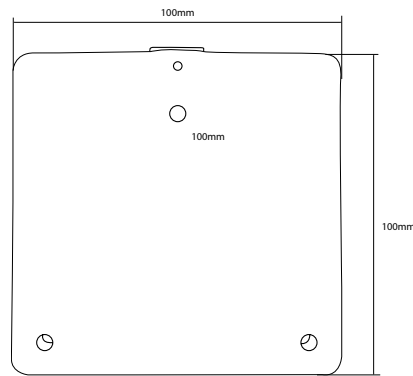


**Features:**

- 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 1/2 Class I (+/-0.2 5°C +/- 0.15%)
Size	100 x 100 x 100mm Nylon block probe with internal thermocouple sensor

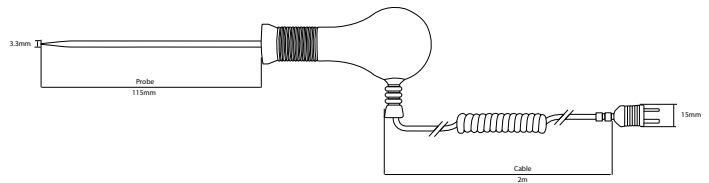


**Features:**

- 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 1/2 Class I (+/-0.2 5°C +/- 0.15%)
Size	3.3 mm diameter by 100mm long



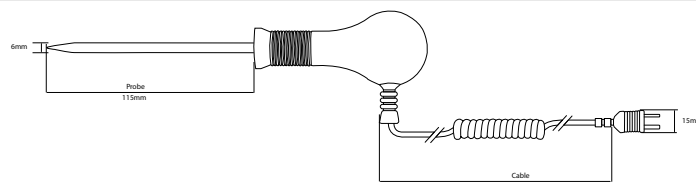
**Features:**

- 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 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 Therma Sprint technology