

CA2005-P Catering Thermometer Kit

T TYPE THERMOCOUPLE THERMOMETER WITH NEEDLE PROBE

CA2005 THERMOMETER

FEATURES

Easy to use low cost high accuracy microprocessor based thermocouple instrument with the benefits of a hold function. This instrument has wide measurement range of -50 to +400°C and an operating range of -30 to 50 °C.

- *** **Hold function with dual display**
- *** **Preset to °C**
- *** **Resolution of 0.1° to 1000° autoranging**
- *** **Compatible with TME T type temperature probes**
- *** **Auto Switch Off capability**
- *** **Overrange / Open circuit sensor indication**
- *** **Low battery indication**
- *** **IP67 casing**

SPECIFICATION

Environmental

AMBIENT OPERATING RANGE	:	-30 to 50 °C
STORAGE TEMPERATURE RANGE	:	-40 to 50 °C
HUMIDITY	:	0 to 70% R.H.

ELECTRICAL

MEASUREMENT RANGES	:	-50 to +400°C
THERMOCOUPLE TYPES	:	T
TEMPERATURE SCALES	:	°C
ACCURACY @23°C	:	+/- 0.1% OF READING +/- 0.2 °C
CHARACTERISING ACCURACY	:	LESS THAN 0.05 °C
TEMPERATURE COEFFICIENT	:	0.01% OF READING /°C
COLD JUNCTION COMPENSATION	:	0.0075 °C/°C
RESOLUTION	:	0.1° to 1000, 1° ABOVE 1000

GENERAL

BATTERY	:	PP3 9V I.E.C. 6F22
BATTERY LIFE (INTERMITTENT USE)	:	GREATER THAN 200 HOURS (ALKALINE)
WEIGHT	:	155 gms
DIMENSIONS	:	130 X 70 X 33 mm

Needle Probe

Description

The CAP range of needle probes are supplied with colour coded handles to reduce the risk of cross-contamination. They are ideal for monitoring semi-solid products and liquids.

Construction

Needle Probe 3.3mm Diameter by 90mm Long: Stainless Steel 316 (Food Grade)
1M straight polyurethane cable with moulded connector. Complete waterproof assembly.

Features

- TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.

This results in a solid handle as opposed to a hollow handle. This is particularly important as there is often damage to the handles caused by excess heat. With a hollow handle it is possible to puncture the outer plastic and damage the sensor irreparably.

- WATERPROOF HANDLE

Due to the total encapsulation method used, all TME probe handles are completely waterproof.

- TOUGH POLYURETHANE CABLE

- Non-Toxic
- Greater mechanical strength for durability
- 12 X 0.2mm wires used internally for greater strength.
- PTFE inner insulation for strength

- HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT

Type 'T' Thermocouple: ½ Class I (±0.25°C ±0.15%)

- POLYPROPYLENE HANDLES

Polypropylene is an extremely tough and durable material, commonly used for milk crates, it has good low temperature performance and a relatively high melt temperature. It performs exceptionally well under chemical attack.

- **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C
- **TIME RESPONSE** (*96% of value in water*) : 1.6 Secs
- **MEASUREMENT RANGE** : -100 TO 280 °C

Cross-reference for compatible probes

Suitable probes for use with the instrument

TME PART No	DESCRIPTION	APPLICATION	T/C TYPE
CAPK	SET OF 5 COLOUR CODED NEEDLE PROBES	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
CAP-R	RED COLOUR CODED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
CAP-B	BLUE COLOUR CODED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
CAP-G	GREEN COLOUR CODED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
CAP-W	WHITE COLOUR CODED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
CAP-Y	YELLOW COLOUR CODED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
TP05	NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
TP07	NEEDLE PROBE HEAVY DUTY	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
TP10	SOUS VIDE NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
TM01	LIGHT DUTY M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
TM03	M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
TM04	M.I. PROBE EXTENDED LENGTH	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
TS01-S	DUAL PROBE	FOR SURFACE AND IMMERSION MEASUREMENT	T
TS04	SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	T
TA04	AIR TEMPERATURE PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	T
TA12	SPATULA PROBE	BETWEEN PACK PROBE	T
TH01	SOCKET IN HANDLE	HANDLE FOR USE WITH PLUG MOUNTED PROBES	T
THA2	PLUG MOUNTED AIR PROBE	FAST RESPONSE AIR TEMPERATURE PROBE	T
THM01	PLUG MOUNTED M.I. PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT	T
THN01	PLUG MOUNTED NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL	T
THA12	PLUG MOUNTED SPATULA PROBE	BETWEEN PACK PROBE	T
THS02	PLUG MOUNTED SURFACE PROBE	GENERAL PURPOSE SURFACE MEASUREMENT	T
PKF1	FOOD KIT	PROBE KIT DESIGNED FOR THE FOOD INDUSTRY	T
TP01	CORKSCREW PROBE	PROBE DESIGNED FOR CORE TEMPERATURE OF MEAT	T
TFS01	FOOD SIMULANT PROBE	SIMULATES THE CORE TEMPERATURE OF FOOD IN HOT OR COLD STORAGE	