

DATA SHEET

CA2005-PK Food Kit with Thermometer & 6 x Needle Probes

CA2005 T TYPE THERMOCOUPLE THERMOMETER WITH HOLD FUNCTION

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

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For CAP-(W/R/B/Y/G/BR) Range of Colour Coded Probes

Needle Probes – 3.3 mm Type ‘T’

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.

Sensor 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

Colour Code Key

Red		Raw Meat
Blue		Raw Fish
Yellow		Cooked Meat
Green		Washed Salad, Fruit
White		Bakery and Dairy
Brown		Vegetables