SPECIFICATIONS

Environmental

Ambient operating range -	30˚C to 50˚C (-21 to 122˚F)
Storage temperature range	-40˚C to 60˚C (-40 to 140˚F)
Humidity	0 to 70% R.H.

ELECTRICAL

Measurement Ranges

T Type	-200˚C to 400˚C
Accuracy@23ºC	±0.1% of reading ±0.2ºC
Characterising error	less than 0.05ºC
Temperature coefficient	0.01% of reading/ºC
Cold junction compensation	0.0075ºC/ºC
Resolution	0.1ºautoranging to 1º 1000º

Note

Strong RF fields may adversely affect measurement accuracy.

General

Weight	155gms (5.47oz)
Dimensions	130 x 70 x 33 mm
Battery	PP3
Battery Life	200 Hours

Technology in Temperature

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03-0497-04

CA2005 Digital Handheld Thermometer

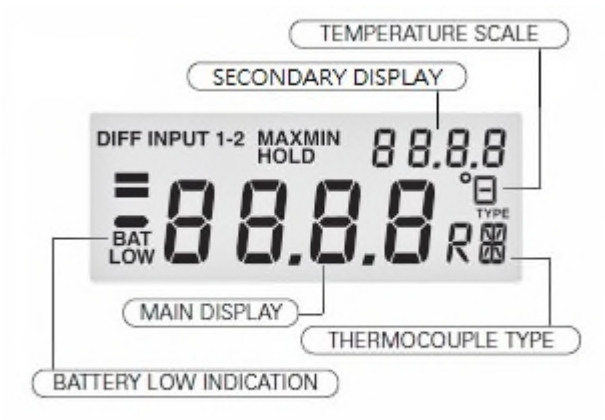
INTRODUCTION

Your high accuracy microprocessor driven thermometer is suitable for use with T type thermocouple sensors

The thermocouple calibrations are in accordance with national and international standards (NBS and IEC) tables.

Features

- PRESET TO ºC
- OVERRANGE/OPENCIRCUIT PROBE INDICATION
- T THERMOCOUPLE TYPE
- HOLD FUNCTION
- LOW BATTERY INDICATION



OPERATING INSTRUCTIONS

To Measure Temperature
1. Fit the battery to the instrument (refer to battery replacement details)
2. Switch thermometer ON.
3. Plug thermocouple into input socket.
4. Take measurement by contacting object with probe and
reading from the display.

Using The Hold Feature
The hold feature is used to store the current value.

When you press the key the current value will transfer to the top right of the display, while the main display continues to be updated.

To cancel press the hold key again.

Replacing The Battery

The instrument will indicate 'BAT LOW' when the battery needs changing.

The battery compartment is on the rear of the instrument. Using a small screwdriver ease back the tab of the battery compartment. The compartment will then lift away.

Open Circuit Thermocouple Detection

An error in the probe is shown on the display by a series of bars '- - - - -' coupled with the word 'INPUT' at the top of the display. This indicates either that the probe has an error or the
temperature is out of range.