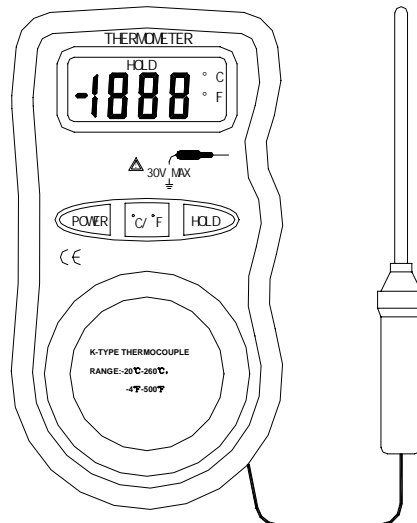


OPERATING INSTRUCTIONS

DIGITAL THERMOMETER



INTRODUCTION

This instrument is a portable 3 1/2 digit, compact-sized digital thermometer designed to use external K-type thermocouple as temperature sensor. Temperature indication follows National Bureau of Standards and IEC584 temperature/voltage tables for K-type thermocouples. One K-type thermocouple is supplied with the thermometer.

SAFETY INFORMATION


It is recommended that you read the safety and operation instructions before using the thermometer.

WARNING

TO AVOID ELECTRICAL SHOCK. DO NOT USE THIS INSTRUMENT WHEN VOLTAGES AT THE MEASUREMENT SURFACE EXCEED 30V DC OR 30 RMS AC.

CAUTION

Repeated sharp flexing can break the thermocouple leads. To prolong lead life, avoid sharp bends in the leads, especially near the connector.

The  symbol on the instrument indicates that the operator must refer to an explanation in this manual.

SPECIFICATIONS

ELECTRICAL

Temperature Scale:

Celsius or Fahrenheit user-selectable

Measurement Range

-20°C to 260°C, (-4°F to 500°F)

Accuracy:

Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error.

±(3% rdg+5°C) -20°C to 260°C

±(3% rdg+8°F) -4°F to 500°F

Input Protection:

30V dc or 30V rms ac maximum input voltage on any combination of input pins.

Reading Rate:

2.5 times per second.

GENERAL

Display:

3 1/2 digit liquid crystal display (LCD) with maximum reading of 1999

Battery:

Standard 1.5V battery(LR-44 or SR-44)

Dimensions:

117mm(H) X 64.5mm(W) X 24.5mm(D)

Weight : 160g

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SELECTING THE TEMPERATURE SCALE

Readings are displayed in degrees °C, when the thermometer is turned on. To change the temperature scale, press the °C or °F key.

OVERLOAD DISPLAY(1)

HOLD MODE

Pressing the HOLD key to enter the Data Hold mode, the “HOLD” annunciator is displayed. When HOLD mode is selected, the thermometer held the present readings and stops all further measurements.

Pressing the HOLD key again cancels HOLD mode, causing the thermometer to resume taking measurements.

REPLACEMENT OF BATTERY

1. When batteries become exhausted or drop below the operating voltage, the “BAT” mark is displayed.
2. Turn the power switch “OFF” and remove the thermocouple, prior to installing fresh batteries.
3. To install the batteries, remove the bottom case.
4. Insert two LR-44 or SR-44 into the battery case making sure that proper polarity is observed.
5. Replace the bottom case and make sure it is properly seated. Dispose of the used batteries in a safe and approved place.