



Series  
472

# Digital Thermocouple Thermometer

Differential or Relative Temperature Readings, Stores Up to 25 Readings



- High accuracy temperature measurement using Type J and Type K thermocouples.
- Measures in degrees Fahrenheit or degrees Celsius.
- Selectable resolution for readings in degree or in 0.1 degree increments.
- Differential or relative temperature measurement using the  $\Delta$  mode.
- Stores and recalls up to 25 temperature measurements in either normal or  $\Delta$  mode.

## SPECIFICATIONS

**Probe Types:** Type J and K Thermocouples.

**Probe Connection:** ANSI female mini-connector.

**Input Protection:** 50V rms.

**Temperature:** Range: J: -350 to 2192°F (-210 to 1200°C); K: -418 to 2500°F (-250 to 1372°C); Accuracy: 0.1% of reading  $\pm 0.7^\circ\text{F}/0.4^\circ\text{C}$  ( $> -150^\circ\text{C}$ ); 0.1% of reading  $\pm 2^\circ\text{F}/1^\circ\text{C}$  ( $< -150^\circ\text{C}$ ); Resolution: 0.1° (below 1999°).

**Linearization:** Conforms to NIST monograph 175 revised to ITS-90.

**Operating Conditions:** Stated accuracy: 64 to 82°F (18 to 28°C). Operating Ambient Temperature: 14 to 104°F (-10 to 40°C). Storage Temperature: -40 to 176°F (-40 to 80°C).

**Display:** Dual 4½ digit LCD.

**Battery:** 9 Volt alkaline.

**Battery Life:** 200 Hours (typical).

**Memory:** 25 Samples (Normal or  $\Delta$  mode).

**Housing Size:** 6 1/16" H x 2 13/16" W x 29/32" D (166 x 71 x 23 mm).

Temperature

The Series 472 Digital Thermocouple Thermometer is a precision general purpose thermometer designed for use with Type J or Type K thermocouples that can be field calibrated. A standard ANSI thermocouple connector allows the use of a wide variety of probe styles. The unit records and displays minimum and maximum temperature readings and has a 20 minute auto power off to conserve the battery. The 4½ digit LCD is backlit for dark or low light conditions.

**L-402-A CARRYING CASE** — Tough gray nylon pouch protects any Series 472 Thermometer. Double zippered for quick and easy access. With belt loop that snaps closed.



7 1/2"h x 3"w x 2 1/4"d  
(191 x 76 x 57 mm)

Model 472 Digital Thermocouple Thermometer



Series  
472 Kits

# Digital Thermocouple Thermometer Kits

Accepts Type J or K Thermocouples



## Complete kits include:

- Master probe handle.
- Surface, Air Duct, Immersion and Bare Tip Probes.
- 9V battery.
- High accuracy Series 472 Digital Thermocouple Thermometer that measures temperature using Type J or Type K thermocouples.

## Features of the Series 472 unit include:

- Measurement in °F or °C.
- Selectable resolution for readings in degree or in 0.1 degree increments.
- Differential or relative temperature measurement using the  $\Delta$  mode.
- Stores and recalls up to 25 temperature measurements in either normal or  $\Delta$  mode.

**Model 472-2 Kit** with Type K Thermocouple  
**Model 472-3 Kit** with Type J Thermocouple