

## **DT 305 SERIES HANDHELD DIGITAL THERMOMETER**



### **■ FEATURES**

- **Light weight Handheld Design**
- **Type K Thermocouple Input**
- **Large LCD Display**
- **Wide Measurement Range -50/+1300 °C**
- **1°C or 0,1°C User Selectable Resolution**
- **Hold Function**
- **Proven Reliability At Low Cost**

## Specifications

### Technical Specifications

**Temperature scale:** Celsius or Fahrenheit user-selectable

**Resolution:** 1°C or 1°F (or 0.1°C or 0.1°F) user-selectable

**Inputs:** K-type thermocouples

**Measurement Range:** -50°C to 1300°C,  
(-58°F to 2000°F)

**Meter Operating Range:** For use in 0°C to 50°C environment  
(32°F to 122°F)

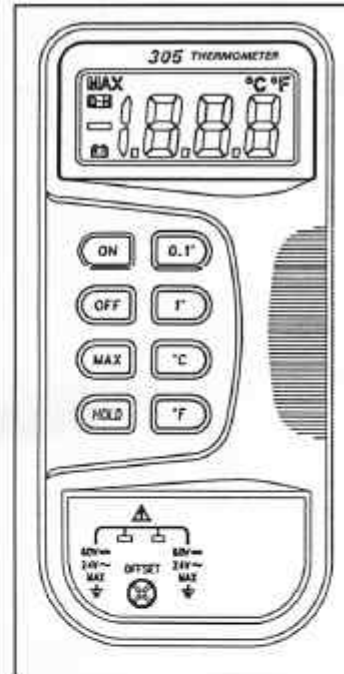
**Accuracy:** (18°C to 28°C ambient)  
± (0.3% rdg + 1°C) -50°C to 1000°C  
± (0.5% rdg + 1°C) 1000°C to 1300°C  
± (0.3% rdg + 2°F) -58°F to 2000°F

The accuracy specification does not include type K thermocouple probe accuracy.

**Temperature Coefficient:** 0.1 times the applicable accuracy specification per °C from 0°C to 18°C and 28°C to 50°C.

**Error Offset:** Errors contributed by one particular thermocouple may be practically eliminated, over a limited measurement range, using a recessed front panel OFF-SET adjustment on the meter and an accurate temperature standard when making the adjustment. Although making that adjustment may increase measurement errors made using other thermocouples.

**Maximum Input:** 60V dc or 24V rms ac between the input pins or any input and ground.



### General Specifications

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

**Sampling Rate:** 3 times per second

**Battery:** One 9V battery (NEDA 1604)

**Battery Life:** 200 hours typical with carbon zinc battery

**Dimensions (mm):** 147 (H) x 70 (W) x 39 (D)

**Weight:** 260 g