

The New Digital Thermometer DE-305



Technical

Temperature scale: °C or °F User-Selective.

Resolution: 1°C or 1°F (or 0.1°C or 0.1°F)
User-Selectable

Inputs: One K-type Thermocouple

Measurement Range: -50 ~ 1300°C, (-59 ~ 2000°F)

Meter Operating Range: For Using at 0°C ~ 50°C
Environment (32 ~ 122°F)

Accuracy: (18~28°C ambient)

±(0.3%rdg + 1°C) -50 ~ 1000°C

±(0.5%rdg + 1°C) 1000 ~ 1300°C

±(0.3%rdg + 2°F) -58 ~ 2000°C

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

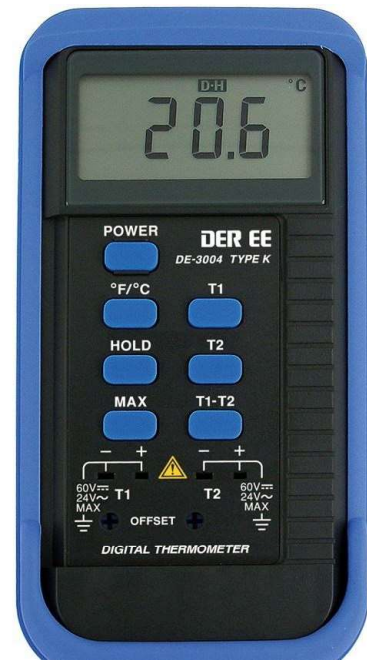
Temperature Coefficient:

0.1 times the applicable accuracy specification per
°C from 0°C to 18°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 OFFSET adjust on the meter and an
accurate temperature standard when making the adjustment.

Although making the adjustment may increase measurement errors
for using different thermocouples.

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



General

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

Sampling Rate: 2.5 times per second

Battery: One 9 V battery (6F 22)

Dimensions (mm): 148(H)x71(W)x36(D)

Weight: 208g (including battery)

Power current: Approx. DC 2.8mA (typical)

DE-305 Digital Thermometer

- LARGE SIZE LCD INDICATION
- LOW BATTERY INDICATION
- K-TYPE THERMOCOUPLE (OPTION)
- HANDHELD LIGHTWEIGHT DESIGN
- READING HOLD FUNCTION
- MAXIMUM RECORD
- °C or °F ANNUNCIATORS DISPLAY
- 1°C OR 0.1°C (1°F or 0.1°F)
- °C °F SWITCHABLE ON FRONT PANEL
- SINGLE THERMOCOUPLE INPUT
- USER-SELECTABLE RESOLUTION
- FRONT PANEL OFFSET ADJUSTMENT