

TYPE K DIGITAL THERMOMETER

MODEL: DM-305TC

FEATURES

CE-Mark Approval
Large size LCD indication
Handheld lightweight design
Type K thermocouple input
°C or °F indicated and switchable on front panel
Reading Hold function
User-selectable resolution
1°C or 0.1°C (1°F or 0.1°F)
Maximum record
Front panel OFFSET adjustment
Impact resistant housing c/w rubber holster as standard

SPECIFICATIONS

Technical Specifications

Temperature Scale: Celsius or Fahrenheit, user-selectable.

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

Input: Type K thermocouple.

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

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

Accuracy: (18°C to 28°C ambient)

- ±(0.3% reading + 1°C) -50 to 1000°C
- ±(0.5% reading + 1°C) 1000 to 1300°C
- ±(0.3% reading + 2°F) -58 to 2000°F
- The accuracy 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 applicable to a particular thermocouple may be practically eliminated, over a limited measurement range, using a recessed front panel OFFSET adjustment. Meter can be 'calibrated' to a specific thermocouple that has a known millivolt output to temperature relationship. If another thermocouple is used after the offset adjustment has been made, measurement errors may be apparent.

Maximum Input: 60V DC or 24V AC rms between the input pins, or any input and ground.

General Specifications

Display: 3 ½" digit liquid crystal display (LCD) with a maximum reading of 1999.

Sampling Rate: 3 times per second.

Battery: One 9V battery.

Low Battery indication: the  is displayed when the battery voltage drops below the operating level.

Battery Life: 200 hours typical with carbon zinc battery.

Operating environment: 0°C to 50°C.

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

Weight: Approximately 215g (including battery).

Power current: Approximately 2.8mA DC (typical).

Supplied Probe: 4-foot type K thermocouple bead probe (Teflon insulated).

Maximum insulation temperature 260°C (500°F). Probe accuracy ±2.2°C or ±0.75% of reading.



 APPROVED

Pyrosales Pty Ltd

A.B.N. 32 001 378 070

www.pyrosales.com.au

4 Wordie Place
Padstow NSW 2211
PO Box 309, Padstow, NSW 2211 Australia
Tel (02) 9790 1988 Fax (02) 9790 1040
sales@pyrosales.com.au

Factory 4, Enterprise Way,
Bayswater, Vic 3153
PO Box 553, Bayswater, Vic, 3153 Australia
Tel (03) 9729 2100 Fax (03) 9720 5559
vicsales@pyrosales.com.au

Unit 1,(Lot3), 70 Flanders Street
Salisbury QLD 4107
PO Box 182, Salisbury QLD 4107 Australia
Tel (07) 3277 9400 Fax (07) 3277 9495
qldsales@pyrosales.com.au