



## Specification DT73/DT75 Digital Thermometer



All specified accuracies are at 23°C ± 5°C, <75% RH for 1 year, not including thermocouple error

**Temperature coefficient:** 0.1 x (specified accuracy) per °C. (0°C to 18°C, 28°C to 50°C)

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

**Thermocouple type:** K

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

Note: Measurement range will be limited by the range of the thermocouple probe used

**Resolution:** 0.1° to 199.9°C/°F, 1° ≥ 200°C/°F

**Temperature accuracy:**

DT73:	-50°C to 1000°C	± (0.3% of rdg + 1°C)
	1000°C to 1300°C	± (0.5% of rdg + 1°C)
	-58°F to 2000°F	± (0.3% of rdg + 2°F)
DT75:	-50°C to 0°C	± 2°C
	0°C to 1000°C	± (0.3% of rdg + 1°C)
	1000°C to 1300°C	± (0.5% of rdg + 1°C)
	-58°F to 32°F	± 4°F
	32°F to 2000°F	± (0.3% of rdg + 2°F)



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**Input protection:** 60V DC or 24V AC rms maximum input voltage on any combination of input pins

**Input connector:** Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm. center to center)

**TT1P thermocouple probe:**

4-foot Type K thermocouple bead probe (teflon tape insulated)

Maximum insulation temperature 260°C (500°F)

Probe accuracy ± 2.2°C or ± 0.75% of reading (whichever is greater)

### GENERAL

**Display:** 3½ digit liquid crystal display (LCD) with maximum reading of 1999

**Reading rate:** 2.5 times per second.

**Ambient operating range:** 0°C to 50°C (32°F to 122°F)

**Storage temperature:** -20°C to 60°C (-4°F to 140°F)

**Relative humidity:** 0% to 80% (0°C to 35°C) (32°F to 95°F)

0% to 70% (35°C to 50°C) (95°F to 122°F)

**Power:** Single standard 9V battery (PP3, NEDA 1604, or equivalent)

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

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

**Weight:** Approx. 210g including battery

Approx. 337g including battery and holster

**Includes:** Rubberised holster, TT1P Type K thermocouple probe (x2 for DT75), Velcro strap, 9V battery (installed) and instructions

### SAFETY:

BS EN 61010-1 50V

Class II Double Insulation

Pollution Degree: 2

**EMC:** Conforms to BS EN 61326-1