



Specification
DT85
Digital thermometer



All specified accuracies are at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, <75% R.H. for 1 year.
Temperature coefficient: $0.1 \times$ (specified accuracy) per $^{\circ}\text{C}$, (0°C to 18°C , 28°C to 50°C).

TEMPERATURE

Thermocouple type: K

Temperature scale: Celsius or Fahrenheit, selectable

Measurement ranges: -200°C to 1372°C
 -328°F to 2501°F

Resolution: 0.1°C (-100°C to 1372°C)
 1°C (-200°C to -100°C)
 0.1°F (-100°F to 2000°F)
 1°F (-100°F to 2000°F), (2000°F to 2501°F)

Accuracy (to ITS90):

-200°C to -60°C	$\pm (0.1\% \text{ of rdg} + 2^{\circ}\text{C})$
-60°C to 1372°C	$\pm (0.1\% \text{ of rdg} + 1^{\circ}\text{C})$
-328°F to 76°F	$\pm (0.1\% \text{ of rdg} + 4^{\circ}\text{F})$
-76°F to 2501°F	$\pm (0.1\% \text{ of rdg} + 2^{\circ}\text{F})$

Note: thermocouple error is not included in the above accuracy.



Specification
DT85
Digital thermometer

GENERAL

Display: liquid crystal display

Polarity: automatic, positive implied, negative polarity indication

Measurement rate: once per second

Power: $2 \times 1.5\text{V}$, AAA alkaline batteries (IEC LR03, NEDA 24A)

Continuous operating time: 250 hours approx.

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

Auto power off: after approx. 10 minutes

Dimensions: $132.9(\text{L}) \times 50.9(\text{W}) \times 24.7(\text{D}) \text{ mm}$

Weight: 148g approx. including batteries

Includes: 2 x K-Type thermocouples, detachable carry strap, 2 x 1.5V AAA batteries, protective cover and instructions

ENVIRONMENTAL

Operating environment: 0°C to 50°C , <70% R.H.

Storage environment: -20°C to 60°C , < 80% R.H. with batteries removed.

EMC

Conforms to BS EN61326-1