



Specification  
DT85  
Digital thermometer



All specified accuracies are at 23°C ± 5°C, <75% R.H. for 1 year.  
Temperature coefficient: 0.1 x (specified accuracy) per °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	± (0.1% of rdg + 2°C)
-60°C to 1372°C	± (0.1% of rdg + 1°C)
-328°F to 76°F	± (0.1% of rdg + 4°F)
-76°F to 2501°F	± (0.1% of rdg + 2°F)

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



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#### GENERAL


Display: liquid crystal display

Polarity: automatic, positive implied, negative polarity indication

Measurement rate: once per second

Power: 2 x 1.5V, 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(L) x 50.9(W) x 24.7(D) 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