

# DT173/DT175

## Digital thermometers



### Key features

- Auto ranging -200°C to 1372°C
- Resolution to 0.1°C
- MIN/MAX/AVG recording
- Relative & Hold functions
- Large character backlit display
- Tough holster with built-in stand
- Includes K-type thermocouple

### DT175 Additional features

- Dual input
- Differential measurements for heating or cooling efficiency
- Includes two K-type thermocouples

	DT173	DT175
Single input	✓	
Dual input		✓
Differential measurements		✓
K-Type thermocouples included	x1	x2
Min/Max	✓	✓
Display °C or °F	✓	✓

The DT173/DT175 are high performance single and dual input K Type digital thermometers for measuring input and output temperatures of systems and equipment with a range of -200°C to 1372°C.

The compact thermometer is supplied in a tough holster and has large digits and a back light for easy viewing in all environments. There is a fold away built in stand for optimum viewing angle.

The thermometers are supplied with bead thermocouples and are compatible with a wide range of Martindale K Type probes including air probes, penetration probes and clamp and surface probes.

Readings can be displayed in either Centigrade or Fahrenheit and the thermometer has an adjustable offset to optimise thermocouple performance over the desired temperature range. There is a MIN/MAX/AVG mode for recording extremes of readings and for recording over longer periods of time.



Keeping You Safe

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## Digital thermometers

Specifications

FUNCTION	DT173	DT175
<b>TEMPERATURE</b>		
Thermometer measurement range	-200°C to 1372°C, -328°F to 1999°F	
Resolution	0.1° to 199.9°C/°F, 1° ≥ 200°C/°F	
Accuracy	-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 1999°F, ± (0.1% of rdg + 2°F)	
Measurement rate	2.5/second	
Polarity	Automatic, positive implied, '-' for negative polarity indication	
Supplied thermocouple probe	1 x 1.2M Type K TT1P	2 x 1.2M Type K TT1P
<b>ENVIRONMENTAL</b>		
Temperature & humidity (operating)	0°C to 50°C, <70% R.H.	
Temperature & humidity (storage)	-20°C to 60°C, 0 to 80% R.H., batteries removed	
Altitude	up to 2000m	
Pollution degree	2	
<b>GENERAL</b>		
Power	4 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)	
Battery life	200 hours	
Input connector	Standard flat blades spaced 7.9mm	
Input protection	24V DC or AC rms maximum input	
Dimensions	160(L) x 83(W) x 38(D) mm	
Weight	240g approx. incl batteries	
<b>EMC</b>		
Conforms to	BS EN 61326-1	

<b>TT1P PROBE</b>		
Construction	1.2M Type K thermocouple bead probe (PTFE insulated)	
Maximum insulation temperature	260°C (500°F)	
Probe accuracy	± 2.2°C or ± 0.75% of rdg	

### Included

**DT173** TT1P PTFE bead thermocouple, 4 x AAA alkaline batteries and instruction manual  
**DT175** 2 x TT1P PTFE bead thermocouple, 4 x AAA alkaline batteries and instruction manual

### Related products

- TT1KF** Fibreglass bead thermocouple
- TT4K** High temperature probe (1100°C)
- TT5K** Air probe
- TT6K** Penetration probe
- TT8K** Surface probe
- TT9K** Needle probe
- TT10K** Pipe clamp
- TT12K** Velcro probe
- MG3** Magnetic hanger
- DTL84** Four input datalogger thermometer

Martindale Electric Co. Ltd.  
Metrohm House, 12 Imperial Park,  
Imperial Way, Watford WD24 4PP.  
T: +44 (0) 1923 44 17 17  
[www.martindale-electric.co.uk](http://www.martindale-electric.co.uk)  
[sales@martindale-electric.co.uk](mailto:sales@martindale-electric.co.uk)

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