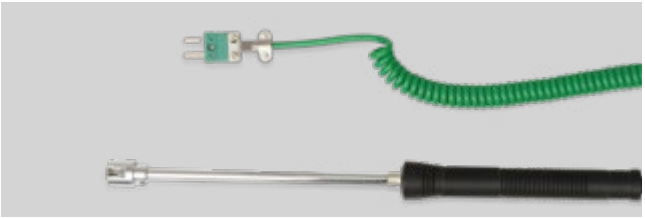
MARTINDALE ELECTRIC

Keeping You Safe

THERMOKIT

Thermometry Kit

Technical Data



Key features:

- Dual input Thermometer
- MIN / MAX / AVG recording
- Relative & Hold functions
- Large character backlit display
- Tough holster with built-in stand
- Includes a range of K-type thermocouples

Kit includes:

- DT175 dual input thermometer
- TT1P bead thermocouples x2
- TT5K air probe x1
- TT8K surface probe x1
- TT10K pipe clamp probes x2
- Soft carry case

Martindale's THERMOKIT is a comprehensive temperature kit, ideal for electricians, plumbers, boiler engineers and maintenance engineers. Supplied in a soft carry case, the kit includes the Martindale DT175 dual input thermometer, bead-type probes, pipe clamp probes, an air probe and a surface probe.

The DT175 is a high-quality dual-input digital thermometer with temperature differential capability. It is ideal for measuring input and output and temperature differentials through boilers, radiators, etc. and can accept a wide range of K-type probe accessories.

The meter is switchable between 1° and 0.1° resolution and features hold and min / max buttons which allow the current value to be frozen or the maximum reading to be stored.

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Specifications

DT175 Dual Input Digital Thermometer

Electrical
All specified accuracies are at 23˚C ± 5˚C, <75% RH for 1 year, not including thermocouple error.
Temperature coefficient: 0.1 x (applicable 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: -200˚C to 1372˚C. (-328˚F to 1999˚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:

Range	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

Input protection: 24V DC or 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).

Supplied probes
TT1P Bead Type Probe: Multipurpose bead probe. Range -75 ˚C to +250 ˚C. Quantity 2.
TT5K Air probe: Designed for measuring temperature of air and heating ducts. Maximum temperature: 250˚C. Quantity 1.
TT8K Surface probe: Designed for measuring temperature of pipes and other surfaces.
Maximum temperature: 600˚C. Quantity 1
TT10K Pipe Clamp probe: Designed for use on heating/ventilation applications and measuring in/out temperature of radiators and boilers. Maximum temperature: 100˚C. Quantity 2.

General
Display: 3½ digit liquid crystal display (LCD) with maximum reading of 1999
Measurement rate: 2.5 times/second
Polarity: Automatic, positive implied, '-' for negative polarity indication
Overrange: (OL) is displayed
Power: 4 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)
Battery life: 200 hours typical with alkaline batteries
Low battery indication: Low battery symbol is displayed
Auto power off: After minutes
Dimensions: 160 mm (H) x 83 mm (W) x 38 mm (D).
Weight: Approx. 240g, including batteries
Includes: Rubberised holster, Type K bead thermocouple, 4 x 1.5V AAA alkaline batteries and instructions

Environmental
Temperature & Humidity: (Operating): 0˚C to 50˚C, <70% R.H.
(Storage): -20˚C to 60˚C, 0 to 80% R.H., batteries removed
Altitude: up to 2000m
Pollution degree: 2

Safety
Conforms to: BS EN 61010-1 50V
Class II, double insulation

EMC
Conforms to BS EN 61326-1

Related products
THERMOKITLGN Legionella testing thermometry kit

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