THERMOKITLGN
Legionella Thermometry Kit



The Martindale ThermokitLGN includes the DT73 Thermometer with max function and two thermocouple probes in a soft carry case. The kit can be used for temperature testing and monitoring in accordance with Health & Safety Guidelines to avoid water temperature and conditions that can favour the growth of Legionella and other bacteria. The surface and immersion probes simplify measurement on pipework and tanks.

This kit includes:

1 x DT173 digital thermometer

1 x TT1P bead thermocouples

1 x TT6K penetration probe

1 x TT8K surface probe

1 x hard carry case

SPECIFICATIONS

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 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).-50°C to 1300°C. (-58°F to 2000°F).
Note: Measurement range will be limited by the range of the thermocouple probe used.

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(x2 for DT175), 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

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