

MM3000 Series Low Cost General Purpose Thermometers

- ◆ Readings in °C
- ◆ Overrange / Open circuit sensor indication
- ◆ Low battery indication
- ◆ Splash proof casing
- ◆ Cook / Chill / Frozen indication
- ◆ High accuracy

The MM3000 is a low cost thermometer complete with fold out needle probe, which is adjustable for different angles to suit a variety of applications. This high accuracy microprocessor based instrument has a measurement range of -50 to +150 °C and an operating range of -30 to 50 °C.

The MM3010 is a low cost thermocouple thermometer for use with plug mounted thermocouple probes. This high accuracy microprocessor based instrument has a measurement range of -50 to + 300 °C and an operating range of -30 to 50 °C.

The display has indication for three measurement ranges :

Cook : $\geq + 70\text{ }^{\circ}\text{C}$
 Chill : $>0\text{ }^{\circ}\text{C} \leq 5\text{ }^{\circ}\text{C}$
 Frozen : $\leq -18\text{ }^{\circ}\text{C}$

Each instrument is supplied complete with 5 coloured tabs that may be used to show the application area for the instrument.

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GENERAL SPECIFICATIONS

	MM3000	MM3010
Temperature Range	-50 to 150 °C	-50 to 300 °C
Thermocouple Types	NA	K T
Temperature Scale	°C	°C
Accuracy @23°C	+/- 0.5 °C	+/- 0.1% of reading +/- 0.2 °C
Characterising Accuracy	NA	Less than 0.05 °C
Temperature Coefficient	NA	0.01% of reading /°C
Cold Junction Compensation	NA	0.0075 °C/°C
Resolution	0.1°	0.1° to 199.9, 1° above 200
Battery	2 * AA batteries	2 * AA batteries
Battery Life (Intermittent Use)	Greater than 500 hours (Alkaline)	Greater than 500 hours (Alkaline)

ENVIRONMENTAL

Ambient Temperature Range	-30 to 50 °C
Storage Temperature Range	-40 to 50 °C
Humidity	0 to 70% R.H.

MECHANICAL

Weight	155 g
Dimensions	160 X 50 X 30 mm