

## MODEL MM2030

### THERMOCOUPLE THERMOMETER / SIMULATOR

#### FEATURES

A high accuracy instrument that will give you confidence in your other instruments. The simulator was designed to simulate a known temperature as a cross-check on other instruments calibration accuracy.

- \*\*\* °C / °F / °A switchable
- \*\*\* mV measurement / simulation capability
- \*\*\* Simulation mode for cross calibration checking
- \*\*\* Very High accuracy measurement instrument
- \*\*\* Resolution 0.1° to 1000° autoranging
- \*\*\* Switchable thermocouple types K / T / J / R / N / E / S
- \*\*\* Full retention of thermocouple type and temperature scale
- \*\*\* User configurable Auto Switch Off capability
- \*\*\* Overrange / Open circuit sensor indication
- \*\*\* Low battery indication
- \*\*\* Supplied complete with shock resistant rubber boot
- \*\*\* IP67 casing

The custom display is used to display the actual temperature the simulator is producing. When this coincides with the desired temperature the instrument is ready for use.

#### SPECIFICATIONS

##### ENVIRONMENTAL

AMBIENT OPERATING RANGE	:	-30 to 50 °C
STORAGE TEMPERATURE RANGE	:	-40 to 50 °C
HUMIDITY	:	0 to 70% R.H.

##### ELECTRICAL

MEASUREMENT / SIMULATE RANGES	:	mV	-10 to 60 mV
		K	-200 to 1372 °C
		T	-200 to 400 °C
		J	-200 to 1200 °C
		R	0 to 1767 °C
		N	-200 to 1200 °C
		E	-200 to 1000 °C
		S	0 to 1767 °C
THERMOCOUPLE TYPES	:	K T J R N E S	
TEMPERATURE SCALES	:	°C / °F / °A	
ACCURACY @23°C	:	+/- 0.1% OF READING +/- 0.2°C	
CHARACTERISING ACCURACY	:	LESS THAN 0.05 °C	
TEMPERATURE COEFFICIENT	:	0.01% OF READING/°C	
COLD JUNCTION COMPENSATION	:	0.0075 °C/°C	
RESOLUTION	:	0.1° to 1000, 1° ABOVE 1000	
FUNCTIONS	:	MEASURE TEMPERATURE / SIMULATE T/C	

##### GENERAL

BATTERY	:	PP3 9V I.E.C. 6F22
BATTERY LIFE (INTERMITTENT USE)	:	GREATER THAN 100 HOURS (ALKALINE)
WEIGHT	:	155 gms
DIMENSIONS	:	130 X 70 X 33 mm