MODEL MM2050

HIGH ACCURACY PT100 THERMOMETER

FEATURES

High quality, High accuracy versatile microprocessor based PT100 instrument with many features as standard such as

***	°C / °F / °A Switchable
***	Measurement range -200°C to 850 °C
***	Resolution of 0.1° to 1000° autoranging
***	Max / Min / Hold Functions using dual display for ease of use
***	Three or Four wire measurement modes
***	User configurable Auto Swith Off capability
***	Calibration via front keypad
***	Full retention of sensor type and temperature scale
***	Overrange / Open circuit sensor indication
***	Low battery indication
***	Supplied complete with shock resistant rubber boot
***	IP67 casing

The custom display allows Max / Min / Hold to be shown on a secondary display whilst the real time measurement continues to be displayed.

SPECIFICATION

ENVIRONMENTAL

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

ELECTRICAL

MEASUREMENT RANGES	:	-200 to 850 °C
SENSOR TYPES	:	USER CONFIGURABLE FOR TWO THREE OR FOUR WIRE MODES
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
RESOLUTION	:	0.1° to 1000, 1° ABOVE 1000

GENERAL

BATTERY	:	PP3 9V I.E.C. 6F22
BATTERY LIFE (INTERMITTENT USE)	:	GREATER THAN 200 HOURS (ALKALINE)
WEIGHT	:	155 gms
DIMENSIONS	:	130 X 70 X 33 mm

MM2050 PIN CONNECTIONS

Connector Pin No	1	2	3	4
Function	I+	V+	V-	I-

Note: for 3 wire systems please link V- and I-

Cross-reference for compatible probes

Suitable probes for use with this instrument

TME PART No	DESCRIPTION	APPLICATION
PRTM01	GENERAL PURPOSE PROBE	GENERAL PURPOSE LIQUID/GAS MEASUREMENT
PRTN05	NEEDLE PROBE	CORE TEMPERATURE OF SEMI-SOLID MATERIAL
PRTA04	AIR TEMPERATURE PROBE	FAST RESPONSE AIR TEMPERATURE PROBE