

## MODEL 5001

### PANEL MOUNT THERMOCOUPLE THERMOMETER

#### FEATURES

These Panel mount instruments are high accuracy microprocessor driven thermometers for use with Thermocouple sensors.

The sensor calibrations are based upon NBS and BS tables. The units are housed within a tough ABS case and comes complete with front seals and fixing brackets.

- \*\*\* °C / °F switchable
- \*\*\* Resolution of 0.1° to 1000° autoranging
- \*\*\* Switchable thermocouple types K/ T/ J/ R/ N/ E
- \*\*\* Easily configured via rear mounted DIL switch
- \*\*\* Overrange / Open circuit sensor indication
- \*\*\* Splash proof front (IP65)

#### SPECIFICATION

##### Environmental

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

##### ELECTRICAL

Measurement Ranges (°C)	:	K -200 to 1372	(-328 to 2501 °F)
	:	T -200 to 400	(-328 to 752 °F)
	:	J -200 to 1200	(-328 to 2192 °F)
	:	R 0 to 1767	( 32 to 3213 °F)
	:	N -200 to 1200	(-328 to 2192 °F)
	:	E -200 to 1000	(-328 to 1832 °F)

Temperature Scales	:	°C / °F
Accuracy @23°C	:	±0.15% 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°
Input voltage ranges	*	: 240 V AC ±10%
	*	: 110 V AC ± 10%
		: 9-30 V AC or DC

\* Option - specify at time of ordering

##### GENERAL

Weight	:	350 gms
Dimensions	:	96 X 48 X 120 mm 4.65"X2.24"X5.90"
Connections	:	Sprung Terminal Connectors