

RS 446 - 4032

BENCH TOP THERMOCOUPLE THERMOMETER

FEATURES

This bench-top instrument is a high accuracy microprocessor driven thermometer for use with thermocouple types K, T, R, S, N, J or E.

High accuracy microprocessor based instrument with a measurement range of -200 to +1780 °C and an operating range of -30 to 50 °C.

- *** °C / °F Switchable
- *** Resolution of 0.1° to 1000°C Autoranging
- *** K, T, R, S, N, J or E THERMOCOUPLE TYPES
- *** Overrange / Open circuit sensor indication
- *** LCD Backlight Display

SPECIFICATION

Environmental

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

ELECTRICAL

TABLE 1. Measurement ranges

	CELSIUS	FAHRENHEIT
K	-200 to 1372	-200 to 2501
T	-200 to 400	-200 to 752
J	-200 to 1200	-200 to 2192
R	0 to 1767	32 to 3212
S	0 to 1767	32 to 3212
N	-200 to 1200	-200 to 2192
E	-200 to 1000	-200 to 1832

Accuracy @ 23°C	:	± 0.25% reading ±0.6°C
Characterising errors	:	Less than 0.05°C
Temperature coefficient	:	0.01% of reading / °C
Cold junction compensation	:	0.0075 °C / °C
Resolution	:	0.1° autoranging 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	:	500 gms
Dimensions	:	118X57X150 mm 4.65"X2.24"X5.90"
Connections	:	Miniature T/C Connector