

# RS 446 - 4048

## BENCH TOP THERMOCOUPLE THERMOMETER WITH 6 INPUTS

### FEATURES

These bench-top instruments are high accuracy microprocessor driven thermometers 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 : 850 gms  
Dimensions : 148X67X190mm  
5.83”X2.64”X7.48”  
Connections : Miniature T/C Connectors