

Thermometers

Thermocouple Simulator C2030

COPE

A highly accurate and versatile instrument which can simulate a known temperature to cross check calibration accuracy of other type K, J, E, T, R or N thermocouple thermometers or alternatively be used itself as a measuring instrument.

Model	C2030
Ranges*	
Type K	°C 0 to +1372
Type J	°C -200 to +1200
Type E	°C -200 to +1000
Type T	°C -200 to +400
Type R	°C -50 to +1767
Type N	°C -200 to +1200
Accuracy (at 23°C ambient)	°C ±0.2 ±0.15% of reading (±0.8 ±0.6% max. with Type R sensor)
Scales	°C, °F, °A
Resolution °C, °F, °A	0.1 (range 1000), 1 (range >1000)
Power	9V PP3 Alkaline battery
Dimensions W x D x H	mm 70 x 130 x 33

* Measure or simulate modes.

Thermocouple Simulator C2030

As described. Supplied with thermometer connector, with 1m coiled cable and miniplugs at each terminal, 9V battery and instructions.

TJ109-05 C2030
BL610-25 Spare 9V battery



TJ109-05

Accessory Probes for C2000 Series Thermometers and Model C2030

Platinum Resistance (Pt100) Probes for TJ107-25 only

With encapsulated handle, 2 metre coiled cable and connector.

	Temp. range °C	Shape, dimensions
Immersion*		
TJ114-01	-50 to +500	
Penetration*		
TJ114-08	-50 to +500	
Moving air		
TJ114-14	-50 to +500	

* Waterproof.

Thermocouple Probes for TJ105-10 to TJ105-30 and TJ109-05

Mineral insulated. Types K or T thermocouples with encapsulated handle, 2 metre coiled cable and connector with heavy duty, food safe, polyurethane sleeving and miniplug.

	Type	Temp. range °C	Shape, dimensions
Still air			
TJ115-30	K	-100 to +750	
TJ117-30	T	-100 to +450	
General purpose			
TJ115-33	K	-200 to +1100	
TJ117-33	T	-200 to +400	
Needle*			
TJ115-39	K	-100 to +280	
TJ117-39	T	-100 to +280	
Spring-loaded			
TJ115-42	K	-50 to +600	

* Waterproof.

Fine Wire Thermocouple Sensors for TJ105-10 to TJ105-30 and TJ109-05

Low mass, small bead thermocouples, 0.2mm diameter, giving fast response and excellent repeatability in air, liquid or surface applications. Supplied 1 metre long with miniplug.

	Type	Temp. range °C	Style
PTFE insulation			
TJ115-65	K	-100 to +250	
TJ117-65	T	-100 to +250	
Glass fibre insulation			
TJ115-67	K	-50 to +450	
TJ117-67	T	-50 to +400	

Alternative Thermocouples

A wide variety of thermocouple types and styles and for use at extreme ranges can be offered on receipt of detailed specifications - please contact us with your requirements.