

PRODUCT INFO SHEET

Nanmac Corporation

Quality • Performance • Solutions

Thermocouple Simulator / Calibrator Simulate Types: C, E, J, K, N, R, S & T H14-KIT Series

High Accuracy Calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers or recorders. A Calibration cable connects the meter to other thermocouple devices. Simply adjust the output knob to display the desired temperature and calibrate your instrument to its accuracy specification. Versatile thermometer function displays temperatures over a wide range. Switchable from degrees Fahrenheit to degrees Celsius for increased versatility in both measure and calibrate modes. Unique Oyster case design features large digital display built into "flip-up" cover which adjusts (from 90 degrees to 180 degrees) for best viewing angle. Automatically shuts off when closed. Portable and rugged industrial design for field, plant or bench top use. Neckstrap included for hands-free operation. Operates on battery or AC adaptor.

NOTES:

- Complete with thermocouple calibration type K, copper calibration cable, 9V NiCad rechargeable battery, neckstrap, AC adaptor/recharger, and case.
- High accuracy calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers, or recorders.
- Accuracy of 0.15% of reading over wide ranges
- 0.1 degrees / 1 degrees resolution for E, J, K & T types; 1 degrees for C, N, R & S types.
- Degrees Celsius / Degrees Fahrenheit switchable for increased versatility
- Displays output in terms of millivolts or temperature
- Folded Dimensions: 3.8 x 4 x 1.8" (96 x 108 x 45mm)



Specifications

Type	Ranges for Calibrate and Measure modes		Accuracy
J	-58 to 1,830°F	(-50 to 1,000°C)	0.15% rdg ±1°
K	-58 to 2,498°F	(-50 to 1,370°C)	0.15% rdg ±1°
T	-184 to 752°F	(-270 to 400°C)	0.15% rdg ±1°
E	-58 to 1,382°F	(-50 to 750°C)	0.15% rdg ±1°
C	-32 to 4,172°F	(0 to 2,300°C)	0.15% rdg ±1°
R	-32 to 3,182°F	(0 to 1,750°C)	0.15% rdg ±1°
S	-32 to 3,182°F	(0 to 1,750°C)	0.15% rdg ±1°
N	-58 to 2,372°F	(-50 to 1,300°C)	0.15% rdg ±1°
Voltage	-5.00mV to ±55.00mV		
Resolution			0.1° (up to 999.9) or 1° (over 999.9°)
Cold Junction Input Junction Sampling Time	0.03°C/°C (0.02°F/°F)	10Mohm 4 times/second	
Dims/Weight	3.8 x 4.2 x 1.8" (96 x 108 x 45mm)/17oz.		

11 Mayhew Street
Framingham, MA 01702
www.Nanmac.com
engineering@nanmac.com

Foremost in Temperature Measurement™
NANMAC

US & Canada: 1.800.786.4669
International: 1.508.872.4811
Fax: 1.508.879.5450
info@nanmac.com