Microprocessor Calibrator Thermometer

Source and Measure 8 thermocouple type devices

One model for multiple thermocouple types (J, K, T, E, C, R, S and N) with precision output displayed as mV or °C/°F

Features:

- High accuracy calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers or recorders
- Basic accuracy of ±0.15% of reading over wide ranges
- 0.1°/1° resolution for J, K, T and E Types; 1° for C, R, S and N Types
- Five stored calibration values for fast calibrations
- Displays output in terms of millivolts or temperature based on thermocouple tables
- 4 digit LCD display is easy to read with thermocouple type indication
- Unique handheld Oyster case design features large digital display built into “flip-up" cover automatically shuts off when closed
- Portable and rugged industrial design for field, plant or benchtop use
- Operates on alkaline batteries, rechargeable batteries or AC adaptor
- Standard Thermometer Calibration cables (terminated with subminiature connectors on either side) comes standard with the meter. Optional Process Calibration Cable is terminated with spade lug for process applications

Complete with Type K Thermocouple calibration cable, Copper calibration cable, 9V NiCad rechargeable battery, neckstrap, Universal AC adaptor/charger with AU/EU/UK/US plugs, and carrying case

Specifications	Ranges for Calibrate and Measure modes		Accuracy
Type J	-58 to 1830°F	(-50 to 1000°C)	0.15% rdg ±1°
Type K	-58 to 2498°F	(-50 to 1370°C)	0.15% rdg ±1°
Type T	-184 to 752°F	(-120 to 400°C)	0.15% rdg ±1°
Type E	-58 to 1382°F	(-50 to 750°C)	0.15% rdg ±1°
Type C	32 to 3272°F	(0 to 1800°C)	0.15% rdg ±1°
Type R	32 to 3182°F	(0 to 1750°C)	0.15% rdg ±1°
Type S	32 to 3182°F	(0 to 1750°C)	0.15% rdg ±1°
Type N	-58 to 2372°F	(-50 to 1300°C)	0.15% rdg ±1°
Voltage	-5.00mV to +55.00mV	10µV	10µV ±1d
Resolution	0.1° (up to 999.9) or 1° (over 999.9°)		
Cold Junction Compensation	0.03°C/°C (0.02°F/°F)		
Input Impedance	10 Mohm		
Sampling Time	4 times/second		
Dims/Weight	3.8 x 4.2 x 1.8" (96 x 108 x 45mm)/ 17oz		

Ordering Information:

433201 .....Microprocessor Calibrator Thermometer (115V AC Adaptor)
433201-NIST .....433201 with Calibration Traceable to NIST Certificate

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