

Microprocessor Calibrator Thermometer

Source and Measure 8 thermocouple type devices J, K, T, E, C, R, S and N

Features:

- One model for multiple thermocouple types with precision output displayed as mV or °C/°F
- Basic accuracy of 0.15% of reading over wide ranges
- Five stored calibration values for fast calibrations
- High accuracy calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers or recorders.
- 0.1°/1° resolution for J, K, T and E Types; 1° for C, R, S and N Types
- °C/°F switchable for increased versatility
- 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 for "hands-free" operation, AC adaptor/recharger, and hard 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	(-270 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 4172°F	(0 to 2300°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:	3.8x4.2x1.8" (96x108x45mm)/ 17oz		

Ordering Information:

- 433201**Microprocessor Calibrator Thermometer (115V)
- 433201-NIST** ..Calibrator Thermometer (115V) w/NIST Certificate
- 433202**Microprocessor Calibrator Thermometer (220V)
- 433202-NIST** ..Calibrator Thermometer (220V) Certificate
- 431437**Optional Process Calibration Cable with Spade Lugs
- 409996**Vinyl Pouch Carrying Case

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