

Microprocessor Calibrator Thermometer

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

Features:

- Probe clips onto meter or extends on 18" (457mm) cable
- One model for multiple thermocouple types with precision output displayed as mV or °C/°F
- Microprocessor assures maximum accuracy to 0.15% of reading over wide ranges
- 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
- Provides precision and convenience equal to more expensive calibrators
- Displays output in terms of millivolts or temperature based on thermocouple tables
- 4 digit LCD display is easy to read with sensor 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.
- Dimensions: 3.8x4.2x1.8" (96x108x45mm) folded; Weight 17 oz.
- Operates on battery or optional AC adaptor
- Standard Thermometer Calibration cable (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 Thermometer Calibration Cable, 9V NiCad rechargeable battery, neckstrap for "hands-free" operation and AC adaptor/recharger.



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		

Ordering Information:

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

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