

# Microprocessor Calibrator Thermometer

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

*With one model for multiple thermocouple types with precision output displayed as mV or °C/°F*

## Features:

- Upgraded model now features super large LCD display and touch keypad
- 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, AC adaptor/recharger, and case



### Includes:

Type K Thermocouple Calibration Cable, Copper calibration cable, 9V NiCad rechargeable battery, neckstrap, AC adaptor/ recharger, and 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	3.8 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 NIST Certificate  
433202-220 .....Microprocessor Calibrator Thermometer (220V AC Adaptor)  
433202-240 .....Microprocessor Calibrator Thermometer (240V AC Adaptor)