

## 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

**EXTECH INSTRUMENTS CORPORATION**  
285 Bear Hill Road, Waltham, MA 02451-1064, U.S.A.  
Phone: 781-890-7440 • FAX 781-890-7864

ISO 9001:2000 CERTIFIED

**"Make mine an Extech!"™**  
[www.extech.com](http://www.extech.com)



06/10/05 - R1

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Digital Multimeters](#) category:*

*Click to view products by [Teledyne FLIR / Extech](#) manufacturer:*

Other Similar products are found below :

[6111-517](#) [FS881](#) [40705X](#) [C.A 6133 LAUNCH KIT](#) [P 1020 A](#) [P 1070](#) [P 3315](#) [P 3340](#) [KEWMATE 2000A](#) [P 3725](#) [SEFRAM7202](#)  
[SEFRAM7303](#) [AMP-220-EUR KIT2](#) [BS K-CLIP](#) [P 2005 A](#) [19290](#) [IBT6K](#) [AX-573](#) [1000-219](#) [1001-613](#) [1006-969](#) [1008-221](#) [30XR](#) [34XR](#)  
[35XP](#) [TESTO 745](#) [0590 7450](#) [TESTO 760-3](#) [0590 7603](#) [440012](#) [AX-155](#) [AX-174](#) [AX-178](#) [AX-18B](#) [AX-190A](#) [AX-503](#) [AX-507B](#) [AX-594](#)  
[AX-LCR42A](#) [AX-MS811](#) [AX-MS8250](#) [AX-PDM01](#) [AX-T520](#) [AX-T901](#) [AX-T903](#) [BAT-250-EUR](#) [BM525S](#) [BM805S](#) [BM807S](#) [BM817S](#)  
[BM827S](#) [BM829S](#)