

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
- 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
- Bright 4 digit LED display is easy to read
- LED indication of sensor type
- 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 ±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:

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