

PRC20 Thermocouple Calibrator



Source and measure 8 thermocouple type devices (J, K, T, E, C, R, S and N) with one meter that provides precision output displayed as °C/°F or mV.

Applications include:

- Lab and Field Calibration and Verification Operations of Sensors, Thermocouple Probes, Controllers, Panel meters & Testing tools.
- Engineering Research and Design
- Manufacturing and Test Engineering
- HVAC
- Temperature Control Process Troubleshooting



Features

- Palm-sized double molded housing and large dot-matrix digital backlit LCD with thermocouple type indication
- High accuracy calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers or recorders
- Displays output in terms of millivolts or temperature based on thermocouple tables
- Standard mini-thermocouple input
- Large battery bank for extended work cycle
- Up to five user adjustable calibration presets
- External power adapter for continuous work cycle

| Specifications | Range | Basic Accuracy |
|--------------------|---|----------------|
| Thermocouple | | |
| Type J | -58 to 1832°F (-50 to 1000°C) | 0.05% rdg ±1° |
| Type K | -58 to 2498°F (-50 to 1370°C) | 0.05% rdg ±1° |
| Type T | -184 to 752°F (-120 to 400°C) | 0.05% rdg ±1° |
| Type E | -58 to 1382°F (-50 to 750°C) | 0.05% rdg ±1° |
| Type C | 32 to 3182°F (0 to 1750°C) | 0.05% rdg ±1° |
| Type R/S | 32 to 3182°F (0 to 1750°C) | 0.05% rdg ±1° |
| Type N | -58 to 2372°F (-50 to 1300°C) | 0.05% rdg ±1° |
| Voltage | -10.00mV to +60.00mV 10µV | 10µV ±1d |
| Resolution | 0.1° (up to 999.9) or 1° (over 999.9) for J, K, T, E ; 1° for R, N; 0.5° for C, S | |
| Input Impedance | 10 MΩ | |
| Sampling Time | 4 times/second | |
| Meter Dims (LxWxH) | 6.3" x 3.2" x 1.7" (159 x 80 x 44mm) | |
| Meter Wt | 8oz (225g) - not including battery weight | |

Ordering

- PRC20Thermocouple Calibrator
- PRC20-NISTPRC20 with Certificate of Calibration Traceable to NIST



Complete with Thermocouple calibration cable with subminiature connectors, standard calibration cable with subminiature connectors, 100V-240V AC Universal Adaptor with 4 plugs, 6 x 1.5V AA batteries, and hard carrying case

