

## 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

- PRC20 .....Thermocouple Calibrator
- PRC20-NIST ....PRC20 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



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