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		

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

Ordering

PRC20 ....Thermocouple Calibrator
PRC20-NIST ... ...PRC20 with Certificate of Calibration Traceable to NIST