



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRC30 Multifunction Process Calibrator



Precision source and measure for thermocouples (8-Types), mA, mV, and V devices

Applications include:

- Lab and Field Calibration and Verification Operations of Sensors, Thermocouple Probes, Controllers, Panel meters & Testing tools.
- Temperature Control Process Troubleshooting
- Process devices calibration and simulation: Transducers, Transmitters, Indicators, Controllers, and Recorders
- Field test and service
- Bench research and development



Features

- Palm-sized double molded housing and large dot-matrix backlit LCD
- Measures DC process signals
- High accuracy calibration function simulates precision thermocouple outputs for use in calibrating thermometers, transmitters, controllers or recorders
- Up to five user adjustable calibration presets
- Displays output in terms of millivolts or temperature based on thermocouple tables
- 24V Loop Power
- Zero adjustment, auto zero when power on and change mode
- Standard banana I/O ports and mini thermocouple inputs
- Large battery bank for extended work cycle
- External power adapter for continuous work cycle



Complete with test leads, alligator clips, Thermocouple calibration cable with subminiature connector, universal calibration cable with subminiature terminal, 100V-240V AC Universal Adaptor with 4 plugs, six 1.5V AA batteries, and hard carrying case

Ordering

PRC30Multifunction Process Calibrator

PRC30-NISTPRC30 with Certificate of Calibration Traceable to NIST



Specifications	Range	Basic Accuracy
DC Source		
Current	0 to 24mA, -25% to +125%	±(0.01% + 1 digit)
Max. Load	1000Ω @ 24mA	
Voltage	0 to 2000mV, 0 to 20V	±(0.01% + 1 digit)
mV/Temp	-5 to 55mV	±(0.01% + 1 digit)
Type J	-58 to 1832°F (-50 to 1000°C)	±(0.05% + 2°F or 1°C)
Type K	-58 to 2498°F (-50 to 1370°C)	±(0.05% + 2°F or 1°C)
Type T	-184 to 752°F (-120 to 400°C)	±(0.05% + 2°F or 1°C)
Type E	-58 to 1382°F (-50 to 750°C)	±(0.05% + 2°F or 1°C)
Type C, R, S	32 to 3182°F (0 to 1750°C)	±(0.05% + 2°F or 1°C)
Type N	-58 to 2372°F (-50 to 1300°C)	±(0.05% + 2°F or 1°C)
DC Measure		
Current	0 to 50mA, -25% to +230%	±(0.01% + 1 digit)
Voltage	0 to 1999mV / 2 to 20V	±(0.01% + 1 digit) / auto range
mV/Temp	-10 to 60mV	±(0.01% + 1 digit)
Type J	-58 to 1832°F (-50 to 1000°C)	±(0.05% + 1.8°F or 1°C)
Type K	-58 to 2498°F (-50 to 1370°C)	±(0.05% + 1.8°F or 1°C)
Type T	-184 to 752°F (-120 to 400°C)	±(0.05% + 1.8°F or 1°C)
Type E	-58 to 1382°F (-50 to 750°C)	±(0.05% + 1.8°F or 1°C)
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Loop Power	24V	
Meter Dims (LxWxH)	6.3" x 3.2" x 1.7" (159 x 80 x 44mm)	
Meter Wt	8.4oz (236g) - not including battery weight	