

# Temperature Calibrator

## Model PY825

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### Special features

- Measure the temperature of thermocouple, RTD output;
- Analog thermocouple, RTD output;
- Accuracy of 0.02%, 0.05%
- Two mutually isolated channels, support synchronized measurement, output;
- Super protection function: waterproof grade IP67, any signal end misconnection 220V automatic protection;
- Can provide manual step, auto step, 0~100% step and slope output function;
- White LED backlight and manual backlight adjustment and automatic power off function, suitable for on-site use;
- Thermocouple measurement and output provide both automatic and manual cold end temperature compensation.



**PY 825 Temperature Calibrator**

### Description

Py825 Temperature calibrator is a high-precision, high-resolution, high-reliability handheld calibrator that integrates measurement and simulation of RTDs and thermocouples, output and measurement of voltage, millivolt, resistance and other electrical parameter signals.

High brightness with backlight large screen display, simple operation, sturdy structure, small and lightweight, compact and economical, can be used in the instrumentation workshop, metrology room, calibration laboratory, is the ideal calibration instrument for process control instruments.

# Specifications

Basic information	
Power supply	6 x 7 batteries or AC adapter
Housing	
Dimensions	200 mm*967 mm*47 mm with protection cap
protective cover	Gray Silicone Protective Case
Ambient conditions	-20...70°C with air humidity ≤95%r.h.
Weight	650 g

Measured Parameter			
Functionality	Range	Accuracy	
		0.02%	0.05%
Voltage	0~60.000V(±30V)	0.02%+2	0.05%+2
Millivolt	-15.000mV~80.000mV 80.00mV~125.00mV	0.02%+2	0.05%+2
Resistance (2-wire/ 3-wire)	0.00Ω~440.00Ω 400.0Ω~3200.0Ω	0.15Ω 1.0Ω	0.25Ω 1.5Ω
Resistance (4-wire)	0.00Ω~440.00Ω 400.0Ω~3200.0Ω	0.10Ω 0.5Ω	0.15Ω 1.0Ω
Thermocouple	J, K, T, E, R, S, B, N	0.02	0.05
Thermal Resistance	Pt100, Pt1000, Cu50, Cu100	0.02	0.05

Output Parameter			
Functionality	Range	Accuracy	
		0.02%	0.05%
Millivolt	-15.000mV~99.999mV 100.00mV~125.00mV	0.02%+2	0.05%+2
Resistance	0.00Ω~440.00Ω 400.0Ω~3200.0Ω	0.15Ω 0.5Ω	0.25Ω 1.0Ω
Thermocouple	J, K, T, E, R, S, B, N	0.02	0.05
Thermal Resistance	Pt100, Pt1000, Cu50, Cu100	0.02	0.05