

# RTD Process Calibrator

## Model PY823

### Special features

- Measuring RTD temperature;
- Measurement of RTD temperature;
- Accuracy of 0.02%, 0.05%
- Manual step, auto step, 0~100% step and slope output functions are available;
- Super protection function: waterproof grade IP67, any signal end misconnection 220V automatic protection;
- With white LED backlight, and manual backlight adjustment and automatic power off function, suitable for on-site use;
- Support Pt100, Pt1000, Cu50, Cu100 divisions of RTD;
- Unique automatic identification of three-wire and four-wire wiring;
- Adopting standard 7# battery, which is easy for customers to replace and purchase;



**PY 823 Process Calibrator**

### Description

PY 823 The RTD Calibrator is a handheld tool used to calibrate RTD (resistance to temperature) transmitters. It can simulate and measure many different types of RTDs and it can also simulate and test resistance.

It can replace the current signal source, voltage signal source, resistance box, electronic potential difference meter, frequency meter and other measurement and calibration instruments. Mainly used in industrial field signal calibration, fault diagnosis; also suitable for chemical industry, military industry and all kinds of research institutes, laboratory signal measurement and calibration.

# 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

Measured Parameter			
Functionality	Range	Accuracy	
		0.02%	0.05%
Voltage	0~60.000V(±30V)	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
Thermal Resistance	Pt100, Pt1000, Cu50, Cu100	0.02	0.05

## Output Parameter

Output Parameter			
Functionality	Range	Accuracy	
		0.02%	0.05%
Resistance	0.00Ω~440.00Ω 400.0Ω~3200.0Ω	0.15Ω 0.5Ω	0.25Ω 1.0Ω
Thermal Resistance	Pt100, Pt1000, Cu50, Cu100	0.02	0.05