

Current and Voltage Calibrator Model PY822

Special features

- Emulates RTDs and thermocouples in temperature form;
- Precision of 0.02%, 0.05%
- Can provide manual step, auto step, 0~100% step and slope output function;
- Super protection function: waterproof grade IP67, any signal end misconnection 220V automatic protection;
- Measurement/output: voltage, current, frequency, resistance, of which the current output supports active and passive;
- white LED backlight, and manual backlight adjustment and automatic power off function, suitable for on-site use;
- Provide DC24V circuit power supply for on-site debugging;



PY 822 Current and Voltage Calibrator

Description

PY 822 Current and voltage calibrator is a kind of high precision, high resolution and high reliability hand-held calibration instrument which integrates output and measurement of V, mV, mA and HZ signals. The meter adopts a large LCD display with clear readings, while the meter also has an adjustable backlight and an automatic shutdown function. The meter can be powered by DC or AC power supply, which is more convenient to use.

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	0~30.000V	0.02%+2	0.05%+2
Current	0~24.000mA	0.02%+2	0.05%+2
Millivolt	-15.000mV~80.000mV 80.00mV~125.00mV	0.02%+2	0.05%+2
Frequency	1.000Hz~99.999Hz 100.00Hz~999.99Hz 1000.0Hz~9999.9Hz 10.000kHz~99.999kHz	0.01%+1	0.02%+1
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

Output Parameter			
Functionality	Range	Accuracy	
		0.02%	0.05%
Voltage	0~10.000V	0.02%+2	0.05%+2
Active Current	0~24.000mA	0.02%+2	0.05%+2
Passive Current	0~24.000mA	0.02%+2	0.05%+2
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
Frequency	0.20Hz~200.00Hz 200.00Hz~2000.0Hz 2.000kHz~20.000kHz	0.01%+1	0.02%+1