

NEW!

Now it's easy to calibrate, verify & check your process equipment status!

With process calibrator 11+ you can easy simulate the most common sensors all in one unit.

Check system status for your:

- Controller, PLC & Control system
- Valve actuators & I/P-converter
- Loggers, Recorders
- Alarm system etc.

Available outputs:

- Thermocouple (R,S,B,E,K,J,T,N,L,U)
- DC voltage
- DC current, Sink/Source mode
- Resistance
- RTD (Pt100/200/500/1000 Cu10, Cu50)
- Frequency
- Pulse
- Switch

Make sure you have the right in/outputs:

- Temperature, Pressure, Flow, Valve position etc.

Standard Accessories:

- Instrument Bag with:
- One set of Industrial testing Lead (CL727220)
- A set of Testing Lead (Tp727110)
- A set of Alligator clip (CC807130)
- Quick reference guide
- User's Manual



Features:

- High Accuracy of 0.02% for source.
- 6 digits display for source.
- Dual, Liquid Crystal Display.
- White LED for backlight.

TECHNICAL DATA (Output function)					
Function	Reference	Range	Resolution	Accuracy	Remark
Thermocouple	R	0°C~1767°C	1°C	0~100°C: 1.5°C	By using ITS-90 temperature scale; The accuracy does not include the error of internal temperature compensation caused by a sensor;
				100~1767°C: 1.2°C	
	S	0°C~1767°C	1°C	0~100°C: 1.5°C	
				100~1767°C: 1.2°C	
	B	600°C~1820°C	1°C	600~800°C: 1.5°C	
				800~1820°C: 1.1°C	
	E	-200.0°C~1000.0°C	0.1°C	-200.0~-100.0°C: 0.6°C	
				-100.0~600.0°C: 0.5°C	
				600.0~1000.0°C: 0.4°C	
	K	-200.0°C~1372.0°C	0.1°C	-200.0~-100.0°C: 0.6°C	
				-100.0~400.0°C: 0.5°C	
				400.0~1200.0°C: 0.7°C	
	J	-200.0°C~1200.0°C	0.1°C	1200.0~1372.0°C: 0.9°C	
				-200.0~-100.0°C: 0.6°C	
				-100.0~800.0°C: 0.5°C	
	T	-250.0°C~400.0°C	0.1°C	800.0~1200.0°C: 0.7°C	
-250.0~400.0°C: 0.6°C					
-200.0~-100.0°C: 1.0°C					
N	-200.0°C~1300.0°C	0.1°C	-100.0~900.0°C: 0.7°C		
			900.0~1300.0°C: 0.8°C		
			-200.0~-0.0°C: 0.7°C		
L	-200.0°C~900.0°C	0.1°C	0.0~900.0°C: 0.5°C		
			-200.0~-0.0°C: 0.7°C		
U	-200.0°C~600.0°C	0.1°C	0.0~600.0°C: 0.5°C		
			-200.0~-0.0°C: 0.7°C		

Function	Reference	Range	Resolution	Accuracy	Remark
DC voltage	100mV	-10.000~110.000mV	1μV	0.02+0.01	Maximum output:0.5mA
	1000mV	-100.00~1100.00mV	10μV	0.02+0.01	Maximum output: 2mA
	10V	-1.0000~11.0000V	0.1mV	0.02+0.01	Maximum output: 5mA
DC current	20mA	0.000mA~22.000mA	1μA	0.02+0.02	Simulator transmitter: 5~28V power supply outside;1KΩ at 20mA
Resistance	400Ω	0.00Ω~400.00Ω	0.01Ω	0.02+0.02	Excitation current: ± 0.5~3 mA; if ± 0.1~0.5mA, add 0.1Ω; Does not include lead resistance;
	4KΩ	0.0000 KΩ~4.0000 KΩ	0.1Ω	0.05+0.025	Excitation current: ±0.05~0.3mA; Does not include lead resistance;
	40KΩ	0.000 KΩ~40.000 KΩ	1Ω	0.1+0.1	Excitation current: ±0.01mA; Does not include lead resistance;
RTD	Pt100 385	-200.0°C~800.0°C	0.1°C	-200.0~0.0°C: 0.3°C	By using temperature scale ITS-90 Excitation current: ±0.5~±3mA for Pt100, Cu10, Cu50, add 0.5°C when excitation current is ±0.1mA-0.5mA; Excitation current: ±0.05mA~ ±0.3mA for PT200, PT500, PT1000; Does not include lead resistance.
				0.0~400.0°C : 0.5°C	
				400.0~800.0°C: 0.8°C	
	Pt200 385	-200.0°C~630.0°C		-200.0~100.0°C: 0.8°C	
				100.0~300.0°C : 0.9°C	
				300.0~630.0°C : 1.0°C	
	Pt500 385	-200.0°C~630.0°C		-200.0~100.0°C: 0.4°C	
				100.0~300.0°C : 0.5°C	
				300.0~630.0°C: 0.7°C	
	Pt1000 385	-200.0°C~630.0°C		-200.0~100.0°C: 0.2°C	
100.0~300.0°C: 0.5°C					
300.0~630.0°C: 0.7°C					
Cu10	-100.0°C~260.0°C	1.8°C			
Cu50	-50.0°C~150.0°C	0.6°C			
FREQ	100Hz	1.00Hz~110.00Hz	0.01Hz	±2 count	Output voltage: +1~+11 V (zero base waveform); Amplitude accuracy: ±5% reading value +0.5V; Maximum load: >100 KΩ; Duty Cycle: 50%.
	1KHz	0.100KHz~1.100KHz	1Hz		
	10KHz	1.0KHz~11.0KHz	0.1KHz		
	100KHz	10KHz~110KHz	2KHz	±5 count	
PULSE	100Hz 1KHz 10KHz	1~100000cycles	1cyc	±2 count	
SWITCH	100Hz	1.00Hz~110.00Hz	0.01Hz	±2 count	Contact output (with 0.0 V amplitude setting, FET switch ON/OFF) Maximum open/close voltage/current: +28 V/50mA
	1KHz	0.100KH~1.100KHz	1Hz		
	10KHz	1.0KHz~11.0KHz	0.1KHz		
	100KHz	10KHz~110KHz	2KHz	±5 count	

Other feature:

- 1、 Temperature Coefficient: 0.1 times the applicable accuracy, specification per degree C for 5°C to 18°C and 28°C to 50°C.
- 2、 The range of the internal temperature compensation sensor is from 0°C to 40°C, Compensation error ≤ ±0.5°C.
- 3、 The accuracy of the temperature probe: ±0.2°C. The range of the measured temperature is from -20°C-100°C.
- 4、 Maximum voltage between any output terminal and earth: 30Vp-p
- 5、 Maximum output current: Approximately 25mA.