

1+ Series Calibrator



11⁺

14⁺

15⁺

Project		The preference model	11+	14+	15+
		Performance parameters			
Source	DC millivolt	Range	-10 ~ 1100mV	-10.000~100.000mV	-100 ~ 1100mV
		Accuracy= ±(% of the set value+% of range)	0.02%+0.01%	0.02%+0.01%	0.02%+0.01%
		Resolution	1uV	1uV	0.01mV
	DC voltage	Range	-1 ~ 11V	-0.1 ~ 1V	-1 ~ 11V
		Accuracy= ±(% of the set value+% of range)	0.02%+0.01%	0.02%+0.01%	0.02%+0.01%
		Resolution	0.1mV	10uV	0.1mV
	DC current	Range	0 ~ 22mA	N/A	0 ~ 22mA
		Accuracy= ±(% of the set value+% of range)	0.02%+0.02%		0.02%+0.02%
		Resolution	1uA		1uA
	Sink current	Range	0 ~ 22mA	N/A	0 ~ 22mA
		Accuracy= ±(% of the set value+% of range)	0.02%+0.02%		0.02%+0.02%
		Resolution	1uA		1uA
	Resistance	External power supply	5 ~ 28V	0 ~ 4KΩ	5 ~ 28V
		Range	0 ~ 40KΩ		N/A
		Accuracy= ±(% of the set value+% of range)	0.02%+0.02%		
	Frequency	Resolution	0.01Ω/0.1Ω/1Ω	0.01Ω/0.1Ω	
		Range	1Hz ~ 110KHz	N/A	1Hz ~ 10KHz
		Accuracy	±2words		±2words
	Pulse	Resolution	0.01Hz/1Hz/0.1KHz/2KHz		0.01Hz/1Hz/0.1KHz
		Frequency	1Hz ~ 10KHz		1Hz ~ 10KHz
		Range	1 ~ 100000cyc	N/A	1 ~ 100000cyc
	Switch	Accuracy	±2words		±2words
		Resolution	1cyc		1cyc
		Range	1Hz ~ 110 KHz	N/A	N/A
	Thermocouple	Accuracy	±2words		
		Resolution	0.01Hz/1Hz/0.1KHz/2KHz		
		Range	10types (R/S/K/E/J/T/B/N/L/U)	10types (R/S/K/E/J/T/B/N/L/U)	N/A
	RTD	Accuracy	0.4℃	0.4℃	
		Resolution	0.1℃/1℃	0.1℃/1℃	
		Range	6types (Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50)	6types (Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50)	N/A
		Accuracy	0.2℃	0.2℃	
		Resolution	0.1℃	0.1℃	

Measure	DC millivolt	Range	N/A	-5 ~ 550mV	-20 ~ 220mV
		Accuracy= ±(% of Reading+ % of Range)		0.02%+0.01%	0.02%+0.02%
		Resolution		1uV/10uV	0.01mV
	DC voltage	Range	N/A	N/A	-0.5 ~ 55V
		Accuracy= ±(% of Reading+ % of Range)			0.02%+0.01%
		Resolution			0.1mV/1mV
	DC current	Range	N/A	N/A	-4 ~ 55mA
		Accuracy= ±(% of Reading+ % of Range)			0.02%+0.01%
		Resolution			1uA
	Resistance	Range	N/A	0 ~ 5.5KΩ	N/A
		Accuracy= ±(% of Reading+ % of Range)		0.05%+0.02%	
		Resolution		0.01Ω/0.1Ω	
	Frequency	Range	N/A	N/A	3 ~ 50KHz
		Accuracy			±2words
		Resolution			0.01Hz/0.1Hz/1Hz
	Switch	Range	N/A	N/A	CLOSE/OPEN
		Threshold			200 ~ 300Ω
	Pressure	Range	N/A	N/A	Depends on the pressure module
		Accuracy= ±(% of Reading+ % of Range)			Depends on the pressure module
	Loop power supply	Resolution	N/A	N/A	5 digit display
		Range			24V
		Accuracy			±10%
	Thermocouple	The maximum current	N/A	10types (R/S/K/E/J/T/B/N/L/U)	22mA
		Range			N/A
		Accuracy			
	RTD	Resolution	N/A	6types (Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50)	N/A
		Range			
		Accuracy			
	Continuity beeper	Resolution	N/A	0 ~ 500Ω	≤250Ω Sound
		Range		≤50Ω Sound	
		Accuracy		0.01Ω	
	Other functions	Backlight		✓	✓
		Auto Power-off		✓	✓
Charging function		✓	✓		
Room temperature display		✓	✓		
Battery detection		✓	✓		
Communication function		RS232 serial communication, can realize remote control instrument by the device driver software			
The mathematical treatment		Data hold zero, average	Data hold zero, average	Data hold, zero, average	
Characteristic					
Safety		EN61010-1: 2001	EN61010-1: 2001	EN61010-1: 2001	
Insulation		DC500V /50MΩ	DC500V /50MΩ	DC500V /50MΩ	
EMC		EN61326-1: 2006	EN61326-1: 2006	EN61326-1: 2006	
Authentication		CE	CE	CE	
Display		Double display on the LCD screen	Double display on the LCD screen	Double display on the LCD screen	
Power supply		4×1.5V AAA alkaline battery	4×1.5V AAA Alkaline battery	4×1.5V AAA Alkaline battery	
Size		205 × 95 × 42 mm	205 × 95 × 42 mm	205 × 95 × 42 mm	
Weight		About 500g	About 500g	About 500g	
Standard Quantity Per Carton		10pcs	10pcs	10pcs	
Standard Carton Measurement		395mm*385mm*260mm	395mm*385mm*260mm	395mm*385mm*260mm	
Standard Carton Gross Weight		10.4Ka	10.3Ka	11.5Ka	

* /te: table range for the maximum range, precision is the highest accuracy (reading%), the resolution is the highest resolution.