



24/25

Accuracy : $\pm 0.02\%$

Two independent channels for input and output, allowing in-time input and output operation;

Project		Model	24	25
		Performance parameters		
Source	DC millivolt	Range	-10 ~ 110mV	-10 ~ 110mV
		Accuracy= $\pm(\%$ of the set value+ $\%$ of range)	0.02%+0.01%	0.02%+0.01%
		Resolution	1uV	1uV
	DC voltage	Range	-0.1 ~ 11V	-0.1 ~ 11V
		Accuracy= $\pm(\%$ of the set value+ $\%$ of range)	0.02%+0.01%	0.02%+0.01%
		Resolution	10uV/0.1mV	10uV/0.1mV
	DC current	Range	0 ~ 22mA	0 ~ 22mA
		Accuracy= $\pm(\%$ of the set value+ $\%$ of range)	0.02%+0.02%	0.02%+0.02%
		Resolution	1uA	1uA
	Sink current	Range	0 ~ 22mA	0 ~ 22mA
		Accuracy= $\pm(\%$ of the set value+ $\%$ of range)	0.02%+0.02%	0.02%+0.02%
		Resolution	1uA	1uA
	Resistance	External power supply	5 ~ 28V	5 ~ 28V
		Range	0 ~ 40K Ω	0 ~ 40K Ω
	Thermocouple	Accuracy= $\pm(\%$ of the set value+ $\%$ of range)	0.02%+0.02%	0.02%+0.02%
		Resolution	0.01 Ω /0.1 Ω /1 Ω	0.01 Ω /0.1 Ω /1 Ω
		Range	R/S/K/E/J/T/B/N	R/S/K/E/J/T/B/N
	RTD	Accuracy	0.4 $^{\circ}$ C	0.4 $^{\circ}$ C
		Resolution	0.1 $^{\circ}$ C/1 $^{\circ}$ C	0.1 $^{\circ}$ C/1 $^{\circ}$ C
		Range	Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50	Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50
Frequency	Accuracy	0.2 $^{\circ}$ C	0.2 $^{\circ}$ C	
	Resolution	0.1 $^{\circ}$ C	0.1 $^{\circ}$ C	
	Range	1Hz ~ 110KHz	1Hz ~ 110KHz	
Pulse	Accuracy	± 2 words	± 2 words	
	Resolution	0.01Hz/1Hz/0.1KHz/2KHz	0.01Hz/1Hz/0.1KHz/2KHz	
	Range	1Hz ~ 10KHz	1Hz ~ 10KHz	
Switch	Accuracy	1 ~ 100000cyc	1 ~ 100000cyc	
	Resolution	± 2 words	± 2 words	
	Range	1Hz ~ 110KHz	1Hz ~ 110KHz	
Pressure	Accuracy	0.01Hz/1Hz/0.1KHz/2KHz	0.01Hz/1Hz/0.1KHz/2KHz	
	Resolution	Depends on the pressure module	Depends on the pressure module	
	Range	Depends on the pressure module	Depends on the pressure module	
		Resolution	5 digit display	5 digit display

Measure	DC millivolt	Range	-5 ~ 550mV	-5 ~ 550mV
		Accuracy= $\pm(\%$ of Reading+ $\%$ of Range)	0.02%+0.01%	0.02%+0.01%
		Resolution	1uV/10uV	1uV/10uV
	DC voltage	Range	-0.5 ~ 55V	-0.5 ~ 55V
		Accuracy= $\pm(\%$ of Reading+ $\%$ of Range)	0.02%+0.01%	0.02%+0.01%
		Resolution	0.1mV/1mV	0.1mV/1mV
	DC current	Range	-5 ~ 55mA	-5 ~ 55mA
		Accuracy= $\pm(\%$ of Reading+ $\%$ of Range)	0.02%+0.01%	0.02%+0.01%
		Resolution	1uA	1uA
	Resistance	Range	0 ~ 5.5K Ω	0 ~ 5.5K Ω
		Accuracy= $\pm(\%$ of Reading+ $\%$ of Range)	0.05%+0.02%	0.05%+0.02%
		Resolution	0.01 Ω /0.1 Ω	0.01 Ω /0.1 Ω
	Thermocouple	Range	R/S/K/E/J/T/B/N	R/S/K/E/J/T/B/N
		Accuracy	0.7 $^{\circ}$ C	0.7 $^{\circ}$ C
		Resolution	0.1 $^{\circ}$ C/1 $^{\circ}$ C	0.1 $^{\circ}$ C/1 $^{\circ}$ C
RTD	Range	Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50	Pt100/Pt200/Pt500/ Pt1000/Cu10/Cu50	
	Accuracy	0.3 $^{\circ}$ C	0.3 $^{\circ}$ C	
	Resolution	0.1 $^{\circ}$ C	0.1 $^{\circ}$ C	
Frequency	Range	3 Hz ~ 50KHz	3 Hz ~ 50KHz	
	Accuracy	± 2 words	± 2 words	
	Resolution	0.01Hz/0.1Hz/1Hz	0.01Hz/0.1Hz/1Hz	
Switch	Range	N/A	CLOSE/OPEN	
	Threshold	N/A	200 ~ 300 Ω	
	Resolution	N/A	Depends on the pressure module	
Pressure	Range	N/A	Depends on the pressure module	
	Accuracy= $\pm(\%$ of Reading+ $\%$ of Range)	N/A	Depends on the pressure module	
	Resolution	N/A	5 digit display	
Continuity beeper	Range	0 ~ 500 Ω	0 ~ 500 Ω	
	Accuracy	$\leq 50\Omega$ sound	$\leq 50\Omega$ sound	
	Resolution	0.01 Ω	0.01 Ω	
Loop power supply	Range	24V	24V	
	Accuracy	$\pm 10\%$	$\pm 10\%$	
	The maximum current	22mA	22mA	
Other functions	Backlight	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Auto Power-off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Charging function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Room temperature display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Battery detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	The ramp signal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Communication function	RS232 serial communication, can realize remote control instrument by the device driver software.	RS232 serial communication, can realize remote control instrument by the device driver software.	
	Safety	EN61010-1: 2001	EN61010-1: 2001	
	Withstand voltage	The input and output AC350V/1 minutes	The input and output AC350V/1 minutes	
	Insulation	The input and output DC500V /50M Ω	The input and output DC500V /50M Ω	
	EMC	EN61326-1: 2006	EN61326-1: 2006	
	Authentication	CE	CE	
	Display	Double display on the LCD screen	Double display on the LCD screen	
	Power supply	4x1.5V AAA Alkaline battery	4x1.5V AAA Alkaline battery	
	Size	205 x 95 x 42 mm	205 x 95 x 42 mm	
Weight	About 500g	About 500g		
Standard Quantity Per Carton	10pcs	10pcs		
Standard Carton Measurement	395mm*385mm*260mm	395mm*385mm*260mm		
Standard Carton Gross Weight	12.4Kg	12.4Kg		

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