



24/25

Accuracy : ±0.02%

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

Project		Performance parameters	24	25
Source	DC millivolt	Range	-10 ~ 110mV	-10 ~ 110mV
		Accuracy= ±(% of the set value+% of range)	0.02%+0.01%	0.02%+0.01%
	DC voltage	Resolution	1uV	1uV
		Range	-0.1~11V	-0.1~11V
	DC current	Accuracy= ±(% 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= ±(% of the set value+% of range)	0.02%+0.02%	0.02%+0.02%
	Resistance	Resolution	1uA	1uA
		Range	0 ~ 22mA	0 ~ 22mA
	Thermocouple	Accuracy= ±(% of the set value+% of range)	0.02%+0.02%	0.02%+0.02%
		Resolution	1uA	1uA
	RTD	External power supply	5 ~ 28V	5 ~ 28V
		Range	0 ~ 40KΩ	0 ~ 40KΩ
	Frequency	Accuracy= ±(% of the set value+% of range)	0.02%+0.02%	0.02%+0.02%
		Resolution	0.01Ω/0.1Ω/1Ω	0.01Ω/0.1Ω/1Ω
	Pulse	Range	R/S/K/E/J/T/B/N	R/S/K/E/J/T/B/N
		Accuracy	0.4°C	0.4°C
	Switch	Resolution	0.1°C/1°C	0.1°C/1°C
		Range	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50
Pressure	Accuracy	0.2°C	0.2°C	
	Resolution	0.1°C	0.1°C	
Loop power supply	Range	1Hz ~ 110KHz	1Hz ~ 110KHz	
	Accuracy	±2words	±2words	
Continuity beeper	Resolution	0.01Hz/1Hz/0.1KHz/2KHz	0.01Hz/1Hz/0.1KHz/2KHz	
	Range	1Hz ~ 10KHz	1Hz ~ 10KHz	
Backlight	Accuracy	±2words	±2words	
	Resolution	1cyc	1cyc	
Auto Power-off	Range	1Hz ~ 110KHz	1Hz ~ 110KHz	
	Accuracy	±2words	±2words	
Charging function	Resolution	0.01Hz/1Hz/0.1KHz/2KHz	0.01Hz/1Hz/0.1KHz/2KHz	
	Range	Depends on the pressure module	Depends on the pressure module	
Room temperature display	Accuracy= ±(% of the set value+% of range)	N/A	Depends on the pressure module	
	Resolution	5 digit display	5 digit display	
Battery detection	Range	N/A	Depends on the pressure module	
	Accuracy	N/A	Depends on the pressure module	
The ramp signal	Resolution	N/A	Depends on the pressure module	
	Range	N/A	Depends on the pressure module	
The maximum current	Accuracy= ±(% of the set value+% of range)	N/A	Depends on the pressure module	
	Resolution	N/A	Depends on the pressure module	

Measure	Parameter	24	25
		Range	-5 ~ 550mV
DC millivolt	Accuracy= ±(% 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= ±(% of Reading+ % of Range)	0.02%+0.01%	0.02%+0.01%
DC current	Resolution	0.1mV/1mV	0.1mV/1mV
	Range	-5 ~ 55mA	-5 ~ 55mA
Resistance	Accuracy= ±(% of Reading+ % of Range)	0.02%+0.01%	0.02%+0.01%
	Resolution	1uA	1uA
Thermocouple	Range	0 ~ 5.5KΩ	0 ~ 5.5KΩ
	Accuracy= ±(% of Reading+ % of Range)	0.05%+0.02%	0.05%+0.02%
RTD	Resolution	0.01Ω/0.1Ω	0.01Ω/0.1Ω
	Range	R/S/K/E/J/T/B/N	R/S/K/E/J/T/B/N
Frequency	Accuracy	0.7°C	0.7°C
	Resolution	0.1°C/1°C	0.1°C/1°C
Switch	Range	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50
	Accuracy	0.3°C	0.3°C
Pressure	Resolution	0.1°C	0.1°C
	Range	3 Hz ~ 50KHz	3 Hz ~ 50KHz
Loop power supply	Accuracy	±2words	±2words
	Resolution	0.01Hz/0.1Hz/1Hz	0.01Hz/0.1Hz/1Hz
Continuity beeper	Range	N/A	CLOSE/OPEN
	Accuracy	N/A	200 ~ 300Ω
Backlight	Resolution	N/A	Depends on the pressure module
	Range	N/A	Depends on the pressure module
Auto Power-off	Accuracy	0 ~ 500Ω	0 ~ 500Ω
	Resolution	≤500sound	≤500sound
Charging function	Range	0.01Ω	0.01Ω
	Accuracy	24V	24V
Room temperature display	Resolution	±10%	±10%
	Range	22mA	22mA
Battery detection	Accuracy	22mA	22mA
	Resolution	22mA	22mA
The ramp signal	Range	22mA	22mA
	Accuracy	22mA	22mA
The maximum current	Resolution	22mA	22mA
	Range	22mA	22mA
Communication function	Resolution	22mA	22mA
	Range	22mA	22mA
Safety	Resolution	22mA	22mA
	Range	22mA	22mA
Withstand voltage	Resolution	22mA	22mA
	Range	22mA	22mA
Insulation	Resolution	22mA	22mA
	Range	22mA	22mA
EMC	Resolution	22mA	22mA
	Range	22mA	22mA
Authentication	Resolution	22mA	22mA
	Range	22mA	22mA
Display	Resolution	22mA	22mA
	Range	22mA	22mA
Power supply	Resolution	22mA	22mA
	Range	22mA	22mA
Size	Resolution	22mA	22mA
	Range	22mA	22mA
Weight	Resolution	22mA	22mA
	Range	22mA	22mA
Standard Quantity Per Carton	Resolution	22mA	22mA
	Range	22mA	22mA
Standard Carton Measurement	Resolution	22mA	22mA
	Range	22mA	22mA
Standard Carton Cross Weight	Resolution	22mA	22mA
	Range	22mA	22mA

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