SG100 Signal Generator

➢ Features

*And equipped with 8 types of thermocouple input and output functions, as well as range conversion and programming output functions
*Add 4 function switches on the side, which can be freely set according to on-site needs
*Dual display mode, measurement signal output signal can be displayed simultaneously, making data viewing more convenient

➢ Product Overview

The signal generator has various signal measurement and output functions, including voltage, current, and thermocouple. It adopts a high-definition LCD screen and functional silicone buttons, which are simple to operate, long standby time, high accuracy, and has programmable output function.

➢ Main performance indicators

Output signal

Project	Signal type	Range	Accuracy	Resolution ratio	Notes
DC Voltage	20MV	0.00-24.00MV	±0.2%	0.01mV	
	100MV	0.0-100.00MV	±0.2%	0.1mV	
	V	0.00-15.00MV	±0.2%	0.01V	Output: Maximum power supply 30MA
Dc current	V	0.00~24.00mA	±0.2%	0.01A	Active current
	4-20MA	4/8/12/16/20mA	±0.2%	0.01mA	
Passive current	MA	0.00~24.00mA	±0.2%	0.01mA	Output: External power supply 16-30V
Power distribution output thermocouple	24VLOOP	24V/16V	10%	/	Drive current 24MA
	K	0~1372°C	±1%	1℃	Output: no Negative temperature from 0 ℃
	E	0~1000°C	±1%	1℃	
	J	0~1200°C	±1%	1℃	
	T	0~400°C	±1%	1℃	
	R	0~1768°C	±1%	1℃	
	B	250~1820°C	±1%	1℃	
	S	0~1768°C	±1%	1℃	
	N	0~1300°C	±1%	1℃	
Thermal resistance	PT100	-199~650°C	±0.2%	0.1℃	
Ohms	Ω	0~400Ω	±0.2%	0.1Ω	

Measurement signal

Project	signal type	Range	Accuracy	Resolution ratio	Notes
DC Voltage	20MV	0.00~24.00mV	±0.2%	0.01mV	
	100MV	0.0~100.00mV	±0.2%	0.1mV	
	V	0.00~30.00V	±0.2%	0.01V	Measurement: Input impedance 1.2M Ω
Dc current	V	0.00~24.00mA	±0.2%	0.01A	Active current
	4-20MA	4/8/12/16/20mA	±0.2%	0.01mA	
Passive current	MA	0.00~24.00mA	±0.2%	0.01mA	
thermocouple	K	0~1372℃	±1%	1℃	Accuracy does not include cold end compensation error
	E	0~1000℃	±1%	1℃	
	J	0~1200℃	±1%	1℃	
	T	0~400℃	±1%	1℃	
	R	0~1768℃	±1%	1℃	
	B	250~1820℃	±1%	1℃	
	S	0~1768℃	±1%	1℃	
	N	0~1300℃	±1%	1℃	
Thermal resistance	PT100	-199-650℃	±0.2%	0.1℃	
Ohms	Ω	0~400℃	±0.2%	0.1Ω	