

Introduction

Signal generator has a multiple signal output and measurement including voltage, current and thermoelectric couple with LCD screen and silicone keypad, simple operation, long service time, high accuracy and programmable output. It's widely used in LAB Industrial field, PLC Process Instrument, Electric value and other area's debugging

SPE-SG100S Signal Generator



Parameters

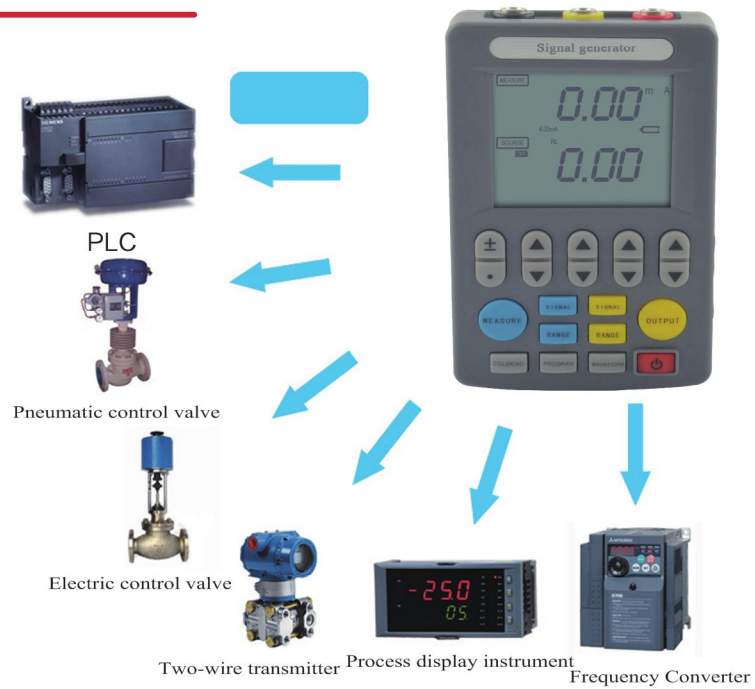
output signal

NO.	SIGNAL TYPE	RANGE	ACCURACY	RESOLUTION	REMARKS
DC VOLTAGE	20mV	0.00~24.00mV	±0.1%	0.01mV	Output: maximum current 30mA
	100mV	0.0~100.00mV	±0.1%	0.1mV	
	V	0.00~15.00V	±0.1%	0.01V	
Current Voltage	mA	0.00~24.00mA	±0.1%	0.01A	Active current
	4~20mA	4/8/12/16/20mA	±0.1%	0.01mA	
Passive current	mA	0.00~24.00mA	±0.1%	0.01mA	Output: external current 16-30V
Power Distribution output	24VLOOP	24V/16V	10%	0.01V	Drive Current:24mA
Thermocouple	K	-270~1372°C	±0.1%	1°C	Output: above 0°C
	E	-270~1000°C	±0.1%	1°C	
	J	-210~1200°C	±0.1%	1°C	
	T	-270~400°C	±0.1%	1°C	
	R	-50~1768°C	±0.1%	1°C	
	B	0~1820°C	±0.1%	1°C	
	S	-50~1768°C	±0.1%	1°C	
N	-270~1300°C	±0.1%	1°C		

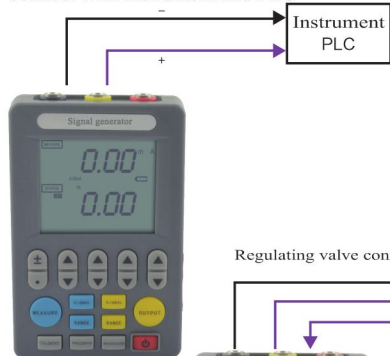
measurement signal

NO.	SIGNAL TYPE	RANGE	ACCURACY	RESOLUTION	REMARKS
DC VOLTAGE	20mV	0.00~24.00mV	±0.1%	0.01mV	measurement: input impedance 1.2MΩ
	100mV	0.0~100.00mV	±0.1%	0.1mV	
	V	0.00~15.00V	±0.1%	0.01V	
Current Voltage	mA	0.00~24.00mA	±0.1%	0.01A	Active current
	4~20mA	4/8/12/16/20mA	±0.1%	0.01mA	
Passive current	mA	0.00~24.00mA	±0.1%	0.01mA	
Thermocouple	K	-270~1372°C	±0.1%	1°C	Cold Junction Compensation error is not included in accuracy
	E	-270~1000°C	±0.1%	1°C	
	J	-210~1200°C	±0.1%	1°C	
	T	-270~400°C	±0.1%	1°C	
	R	-50~1768°C	±0.1%	1°C	
	B	0~1820°C	±0.1%	1°C	
	S	-50~1768°C	±0.1%	1°C	
N	-270~1300°C	±0.1%	1°C		
Thermal resistance	PT100	-199.9~650.0°C	±0.2%	0.2°C	

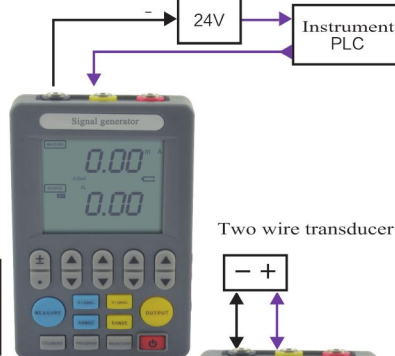
Application



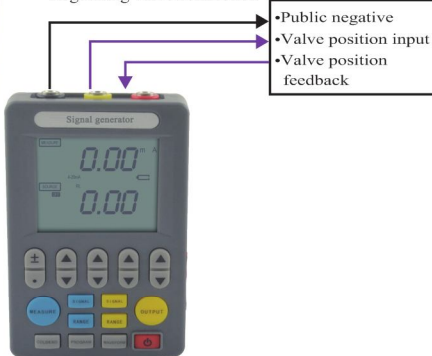
Active current and voltage output connect with instrument and PLC



Mark two wire system transmitter connection method



Regulating valve connection



Two wire transducer testing method

