

PCSG01 Signal Generator



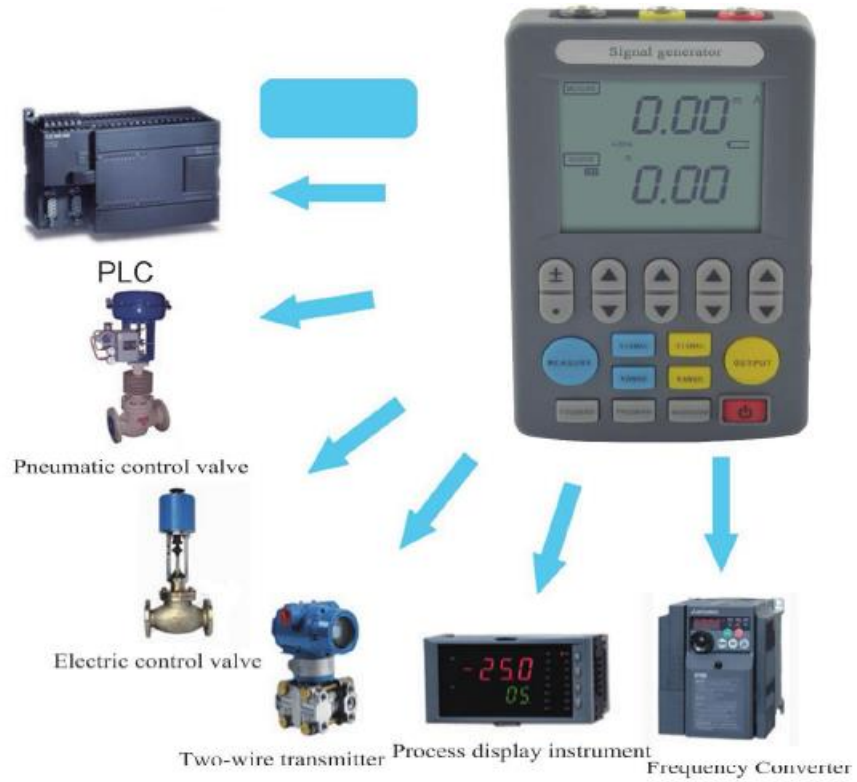
PCSG01 Signal Generator has a multiple signal output and measurement including voltage, current and thermoelectric couple with LCD screen and silicone keypad, simple operation, long service time, high accuracy and programmable output. It is widely used in LAB industrial field, PLC process instrument, electric valves and other area's debugging.

output signal

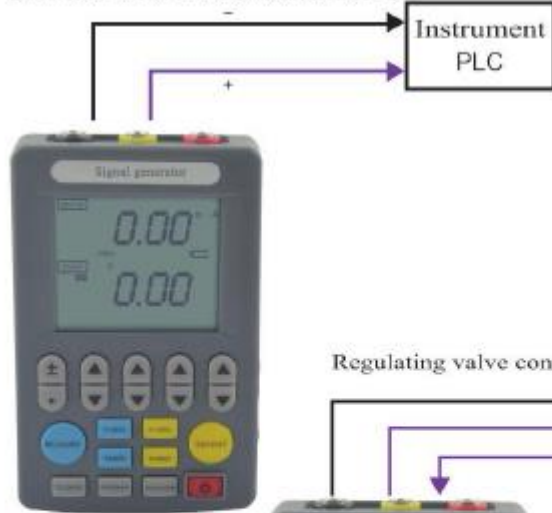
| NO. | SIGNAL TYPE | RANGE | ACCURACY | RESOLUTION | REMARKS |
|---------------------------|-------------|----------------|----------|------------|---------------------------------|
| DC VOLTAGE | 20mV | 0.00~24.00mV | ±0.1% | 0.01mV | Output: maximum current 30mA |
| | 100mV | 0.0~100.00mV | ±0.1% | 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

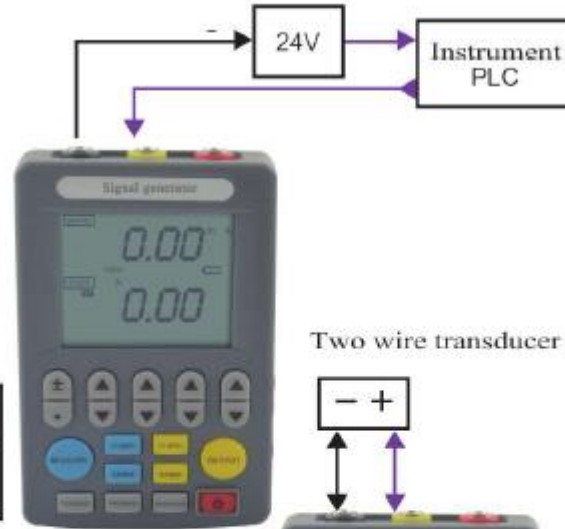
| NO. | SIGNAL TYPE | RANGE | ACCURACY | RESOLUTION | REMARKS |
|-----------------|-------------|----------------|----------|------------|--|
| DC VOLTAGE | 20mV | 0.00~24.00mV | ±0.1% | 0.01mV | measurement: input impedance 1.2MΩ |
| | 100mV | 0.0~100.00mV | ±0.1% | 0.1mV | |
| | V | 0.00~15.00V | ±0.1% | 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 | |
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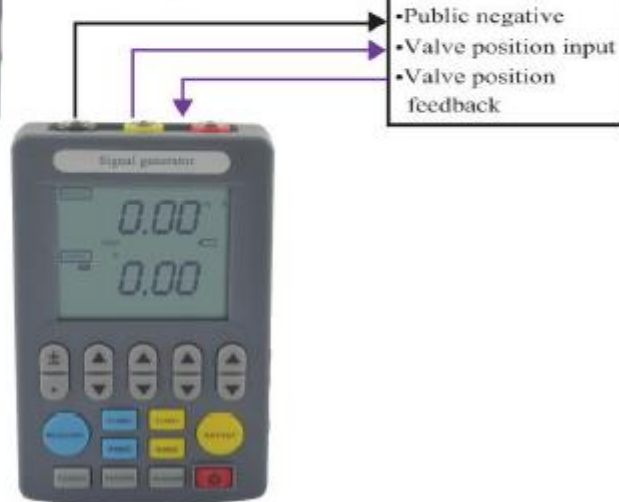
Active current and voltage output connect with instrument and PLC



Mark two wire system transmitter connection method



Regulating valve connection



Two wire transducer testing method





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