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SIGNAL ISOLATOR series

Parameter			
Model	SUP-602S	SUP-603S	SUP-502H
Input Signal	0(4) ~20mA, 0~10mA	RTD, TC, mV	4~20mA, 0~10mA ; 0~20mA, 1~5V, etc.
Output Signal	0(4) ~20mA, 0~10mA ; 0(1)~5V, 1~10V	4~20mA, 0~10mA ; 0~20mA, 1~5V	4~20mA, 0~10mA ; 0~20mA, 1~5V, etc.
Power Supply	18-32VDC	18-32VDC	20-32VDC
Installation	35mm DIN-rail mounting	35mm DIN-rail mounting	35mm DIN-rail mounting
Linearity	-	0.10%	0.10%
Resolution Ratio	-	0.1%PN	0.1%PN
Accuracy	±0.1%F ·S(25˚C±2˚C)	±0.2%F ·S(25˚C±2˚C)	±0.15%F · S(25˚C±2˚C)
Insulation and Voltage Resistant	-	3kV/50Hz, 1Min	3kV/50Hz, 1Min
Unbalanced Voltage	-	<10mV	<10mV
Output Temperature	≤300PPM/˚C	≤1000PPM/˚C	≤0.0075%F.S/˚C
Frequency Bandwith	20~5kHz	20~5kHz	20~5kHz
Current Consumption	<5mA+output current	<5mA+output current	<5mA+output current
Loading Capacity	Voltage : ≥2MΩ	30 times nominal input	30 times nominal input
Response Time	<0.5s	<0.5s	<2ms
Operating Temperature	-20˚C~+60˚C	-20˚C~+60˚C	-10˚C~+50˚C
Storage Temperature	-40˚C~+80˚C	-40˚C~+80˚C	-1`0˚C~+60˚C
Working Principle	Electromagnetic isolation	Electromagnetic isolation	Electromagnetic isolation

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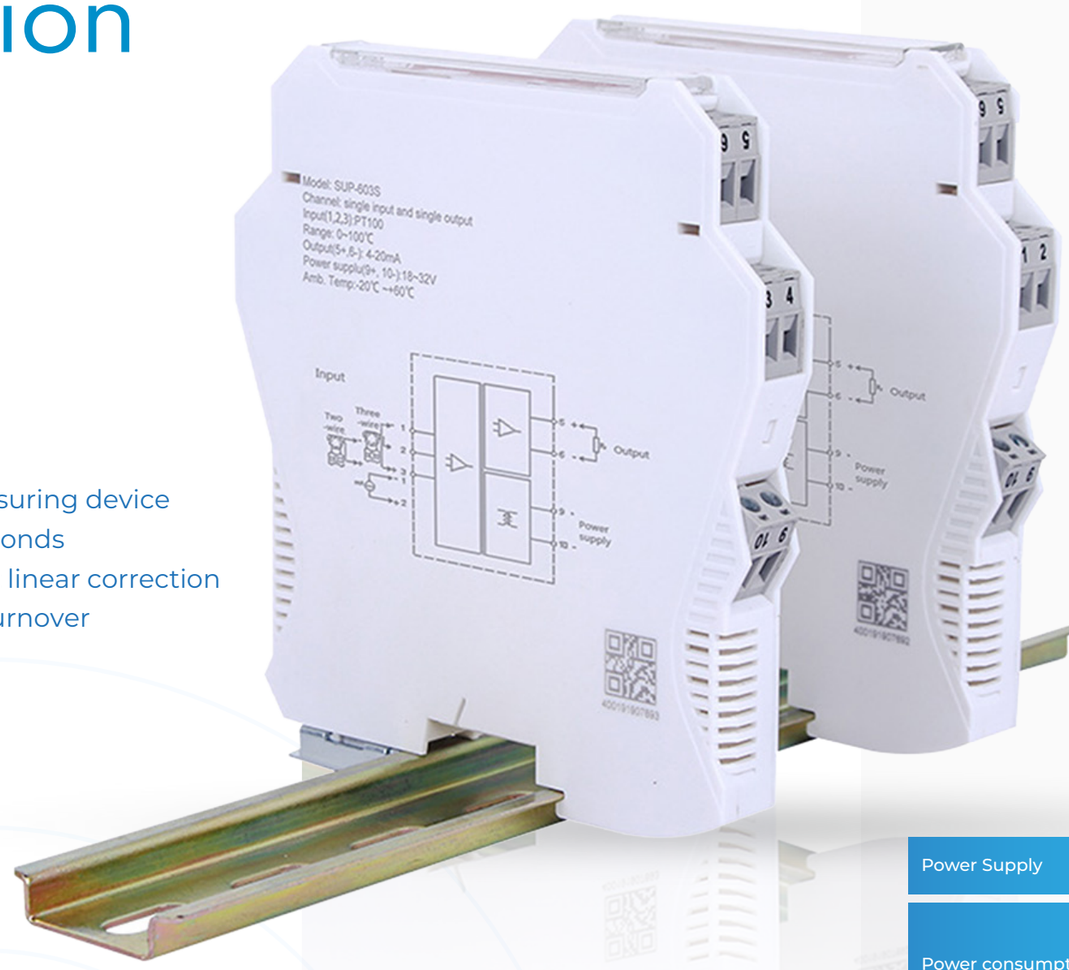
SUP-602S

Distribution Isolator



FEATURE

0,1% high Accuracy measuring device
Quick response in miliseonds
Three-terminal isolation: linear correction
Strong isolation : High turnover
Low temparature drift

SUP-602S current / voltage signal isolator process the input current signal and output the isolated the single or dual current/voltage signal, the input, output, and power terminals are isolated. It is with fast response, low power consumption and low temperature characteristic, which can be used together with various instrument like DCS, PLC etc, supporting the use of major projects in the petroleum, chemical, manufaturing, power metallurgical and other industries application.

Power Supply	18032VDC	Insulation resistance	≥100MΩ(among i/o/ power supply)
Power consumption	24VDC, single-channel input, single-channel output 1.3W; 24VDC, single-channel input, double-channel output 1.8W	Output load capacity	0(4)~20mA: ≤550Ω; 0~10mA: ≤1.1kΩ 0(1)~5V: ≥1MΩ; 0~10V: ≥2MΩ;
Output Signal	0(4)~20mA; 0~10mA; 0(1)~5V; 0~10V	Input singal	0(4)~20mA; 0~10mA; 0(1)~5V; 0~10V
Power distribution voltage	Open circuit voltage ≤26V, full load 20mA output voltage ≥22V	Operation temperature	-20 ˚C~+60 ˚C
Output ripple	≤20mVrms (Load250Ω)	Temperature drift	≤40PPM/ ˚C
Input impedance	About 50Ω	Accuracy of isolated transmission	±0.1%F ·S(25 ˚C±2 ˚C)