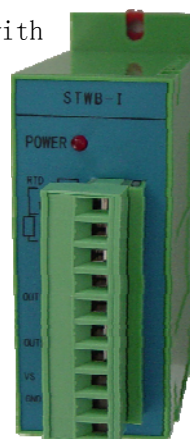


## Intelligent Isolation Transmitter

Intelligent Isolation Transmitter uses MCU as a key. Corporate with the sensor signal conditioning and high-precision. The design of low power consumption and data conversion uses the advanced isolation solution, which achieve intelligent transmitter functions. It has a free choice of the input signal and range, Non-Linear Correction, Measuring data self-calibration, Digital filter, Zero drift, Dimensional Transformation, RS485 communication and etc.



- The Input, output, and the power supply are fully isolated
- Maximum output current limits, reverse polarity protection circuit
- 35mm standard rail installation

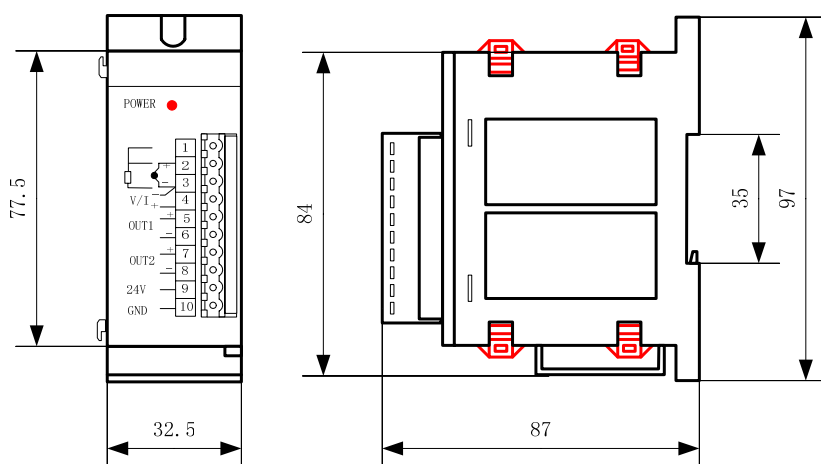
### Input:

- Thermocouple: E, J, K, S, T, B, N
- RTD: Pt1000, Pt100, Cu100, Cu50, BA1, BA2, G53
- Linear signals:

### Output:

Output Voltage : 0~5V	Load (Resistance): $\geq 100k\Omega$
Power Supply : 24VDC $\pm 10\%$	Ripple: 0.02%FS
Power Consumption: 2W	Isolation Voltage: 1000VDC or AC peak
Accuracy: 1%FS	Weight: 130g
Ambient temperature: 0~50°C	Humidity: $\leq 90\%RH$

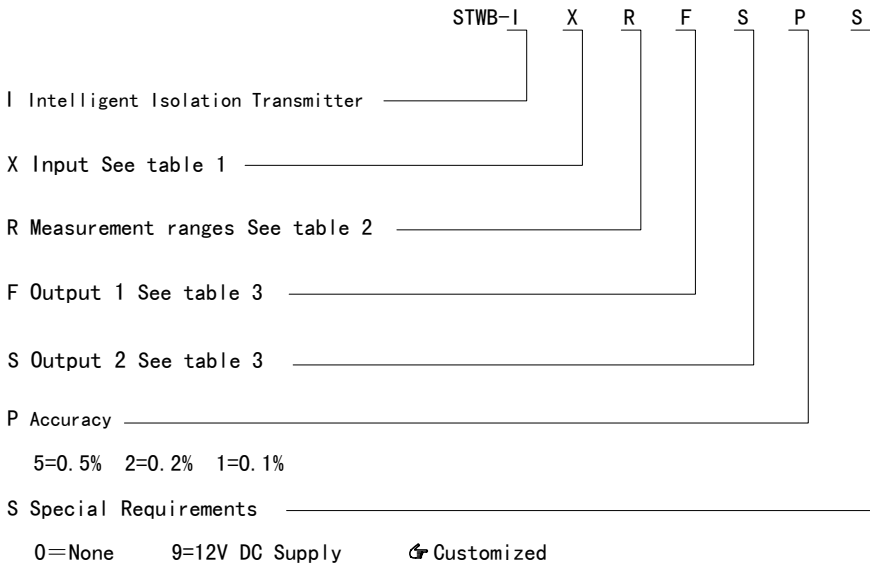
### Dimensions and Electrical connection



# Intelligent Isolation Transmitter

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**How to order**



For Example: STWB-I-----X100T-----R05-----FA1-----SA1-----P5-----S0

Intelligent Isolation Transmitter
Pt100 three-wire
0~100℃
Output 1 4~20mA
Output 2 4~20mA
0.5%
None

Table 1: Input Code table X    Table 2: Ranges Code table R    Table 3: Output Code table F/S

# Intelligent Isolation Transmitter

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Table 1: Input Code

Code	Specifications	Optional range
100D	Input pt100, 2-wire connection	01~09
100T	Input pt100, 3-wire connection	01~09
100F	Input pt100, 4-wire connection	01~09
1000D	Input pt1000, 2-wire connection	01~09
1000T	Input pt1000, 3-wire connection	01~09
1000F	Input pt1000, 4-wire connection	01~09
50	Cu50	02~06
K	K	05~13
N	N	05~13
E	E	05~10
T	T	01~07
J	J	05~10
S	S	10~14
B	B	10~14
A1	4~20mA	0
A2	0~10mA	
V1	0~5V	
V2	0~10V	
	Customized	

Table 2: Ranges Code

Code	Ranges °C
01	-200~100
02	-50~50
03	-50~150
04	0~50
05	0~100
06	0~150
07	0~200
08	0~250
09	0~300
10	0~800
11	0~1000
12	0~1100
13	0~1200
14	0~1600
0	None
	Customized

Table 3: Output Code

Code	Specifications
A1	4~20mA
A2	0~10mA
V1	0~5V
V2	0~10V
D	RS485
0	None
	Customized