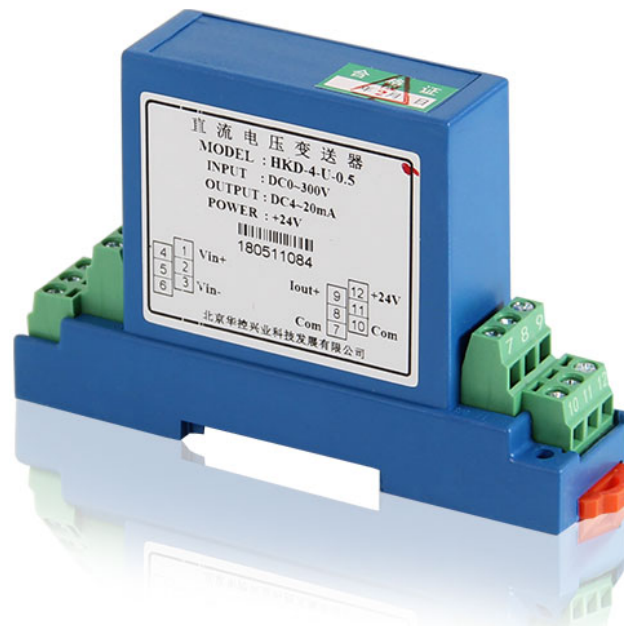


DC Volt Transmitter 300V

Model:HKD-4-U-0.5 0-300V



Description:

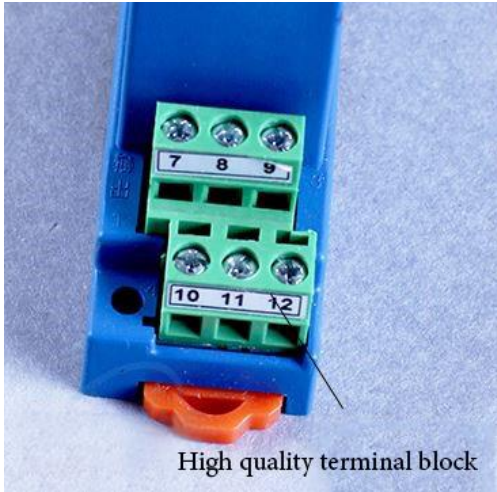
- The s, K, T, and R temperature separators of the pressure load cell or thermocouple are amplified by the input mv electrical signal to provide a remote control and a controlled signal source. Depending on the requirements, it is also possible to transform the mimicry into a digital egg.
- Suppresses the interference of the common ground, frequency converter, solenoid valve and unknown pulse on the equipment. At the same time, it has the function of limiting the pressure and flow of the lower-level equipment. It is the transmitter, meter, frequency converter, electromagnetic valve PLC/DCS input and output, and communication interface. Loyal protection
- High isolation transmission accuracy, complete isolation between power supply, input, and output, guaranteed high interference performance.
- Can be combined with the unit instrumentation, DCS, PLC and other systems , Matched use, Widely used in major projects in the oil, petrochemical, manufacturing, power, metallurgy and other industries.

Features:

Installation and terminal wiring: 35mm standard DIN rail card type installation, terminal wiring adopts multi-beam or single-cable reed type compression connection with soft copper cross-sectional area of 0.5~2.5mm², easy to install, and can effectively isolate input, output and The potential between the power supply and the earth. It can overcome inverter noise and various high and low frequency pulsation disturbances.



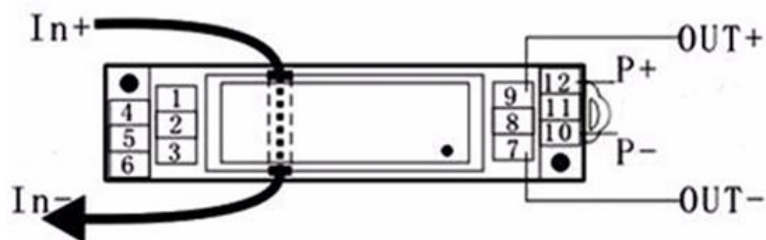
High-quality terminals. The maximum wire diameter that this sensor's terminal can accommodate is 2.5mm^2 . The insulation layer of the wire should be stripped $8\text{mm}\sim 10\text{mm}$. After the installation wire is twisted, it is inserted into the terminal.



Specifications:

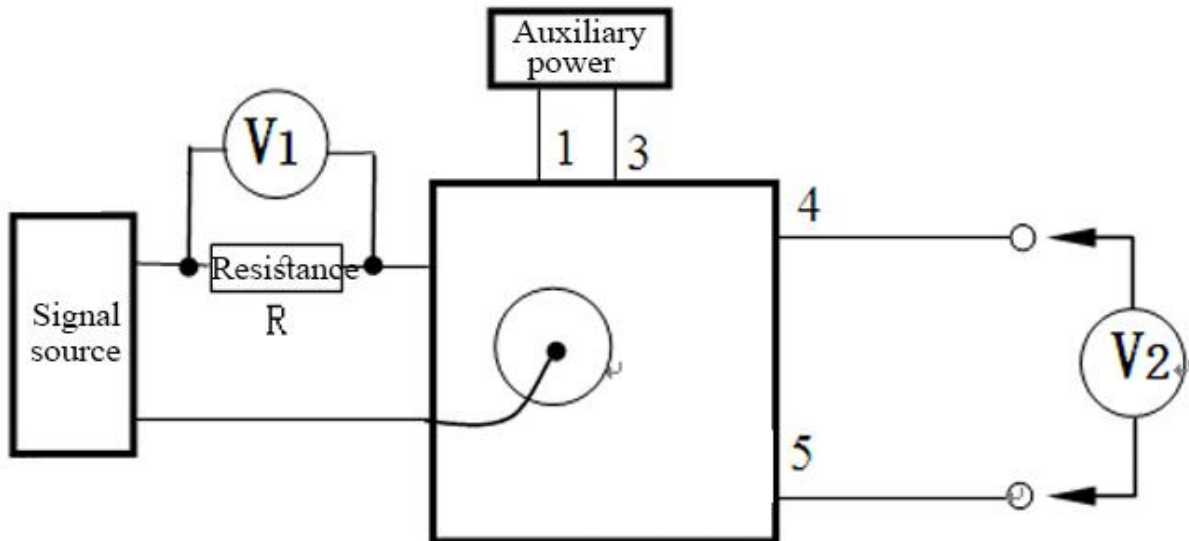
- Input: DC 0-300V
- Output: DC 4-20mA
- Load Capacity: Voltage Output: 5mA, Current Output: 6V
- Accuracy: 0.5%
- Overload Capacity: 30 times the nominal input, for 5 seconds.
- Response Time: < 250ms
- Isolated Pressure: 3KV/50Hz, 1 Min
- Bandwidth: 20~5KHZ
- Working Temperature: $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Storage Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Installation Method: Standard 35 mm DIN Rail.

Wiring Diagram:

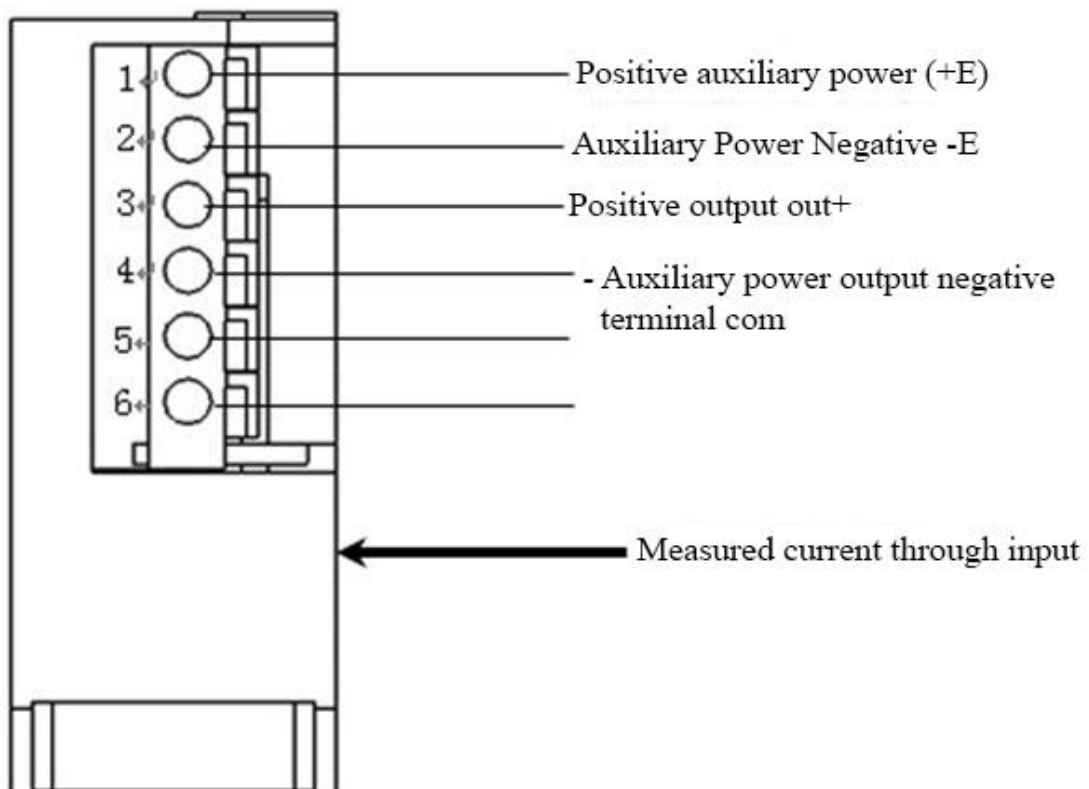


Sample Application:

- According to the sensor terminal definition, connect the test circuit according to the illustration



Sensor terminal definition diagram



In the figure, the measured current is converted into an alternating voltage with a standard resistance R and monitored with V1.

1. The basic accuracy test should be conducted under the following environmental conditions:

- ◆ Auxiliary Power: see product label
- ◆ Ambient Temperature: $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$

◆ Relative Humidity: (45 ~ 75)%

◆ Signal sources and measuring instruments with an accuracy of 0.05 or more.

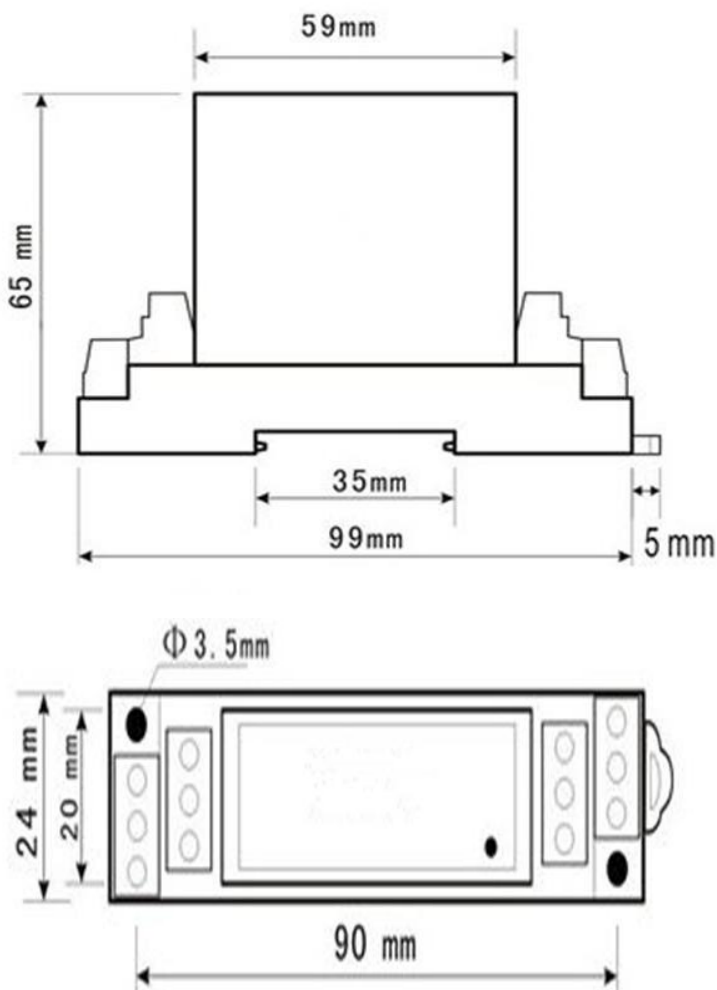
2. Power preheat 3min

3. Use the input monitoring table V1 to monitor the output value RS of the signal source, and use the output monitoring table V2 to monitor the on-off status of both ends of the sensor output. Adjust the signal source so that the sensor input gradually increases from 0 and monitor the change in V2. When it is found that V2 is off-on, the actual input value RS of the sensor is immediately read.

4. The read RS is substituted into the following formula for calculation:

$$\partial = I (RB - RS) / RB I \times 100\%$$

Product Size:



Made in China