

working principle

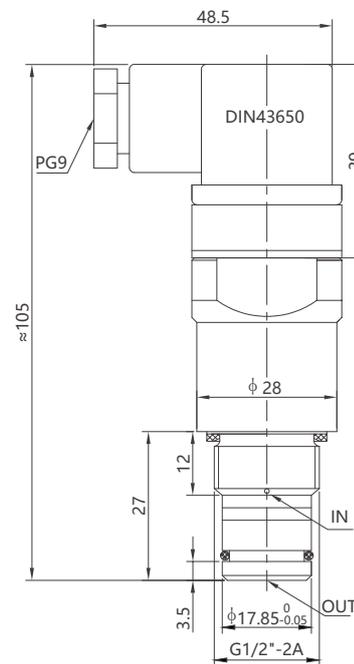
Working PRINCIPLE OF DIFFERENTIAL PRESSURE TRANSMITTER: WHEN the hydraulic system is working, the filter core in the filter is gradually blocked because of the pollutants and impurities in the interception system, and the inlet and outlet of the filter produces differential pressure (that is, the pressure loss of the filter core). The pressure difference increases with the severity of the blockage. The HIGH VOLTAGE end PUSHES THE PISTON to the LOW VOLTAGE end, and when it slips to the set value of the transmitter, the transmitter will send out a photoelectric alarm signal through the magnetolectric coupling effect inside the transmitter. White becomes red (or green becomes red) in the transparent window of visual and electrical transmitters; The transmitter with LED lights turns green to red. Remind equipment maintenance personnel to replace or clean the filter element to ensure the safe operation of the equipment system.

The installation torque of the steel shell transmitter is greater than or equal to 70N.m, and that of the non-ferrous metal shell transmitter is greater than or equal to 40N.m. Electrical connection: Loosen the M3x30 screw on the plug of DIN43650 and remove it, gently pry the wiring holder out of the plug with a small driver, thread the cable through the plastic hexagonal nut hole on the plug, connect the wire terminal according to the electrical wiring diagram on the plug and tighten the screw. Then press the terminal block into the plug housing, then insert it into the male plug of the transmitter, tighten the M3x30 screw, and finally tighten the plastic hexagonal nut on the plug to lock the cable.

When the customer is installing and wiring, be sure to connect the cables according to the electrical wiring diagram, otherwise the normal working performance of the product will be affected.



Size chart (mm)



Technical parameters

Message value: 2bar,5bar,8bar±10%bar optional
Pressure value: 420bar
Seal material: O ring RV14x1.78-75SH ED ring RV24x18.5x1.5-90SH Shell material: 304
Threaded interface: G1/2\"-2A
Protection level: IP65
Operating temperature: -20°C~100°C
Electrical characteristics: 250VAC 3A & 12~50VDC 3A

wiring diagram

