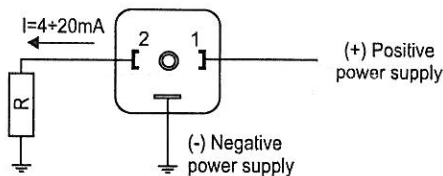


Description:

The FSI-AN sensor is a slope analog transducer with 4÷20 mA current output.

It is a transducer with 3 wires:



The output current is proportional to the inclination of the sensor compared to the horizontal position (see picture).

Working:

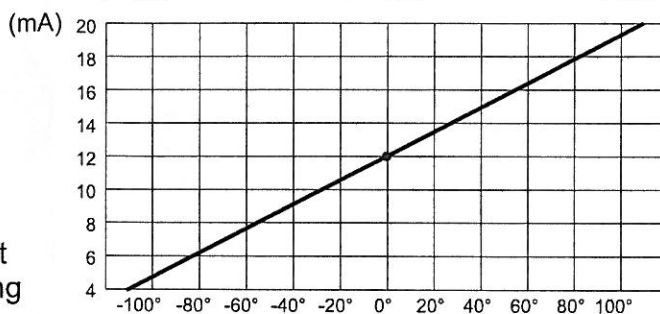
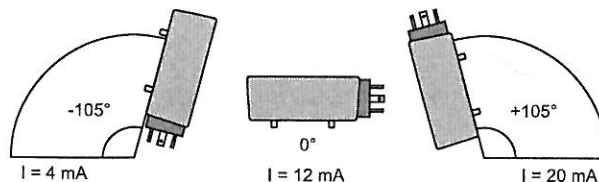
Supply the sensor and read the output current (directly with a milliamperometer or connecting it to a PLC with 4÷20 mA current input).

Attention: the input resistance of the used instrument (for the measurement) must have a value that allows to the sensor to supply the maximum current.

The maximum output tension of the sensor is "Vsupply - 5.5V".

Fitting:

When you have positioned the sensor, with the long side perfectly in horizontal position, it has an output current value between 11.9mA and 12.1mA. During the fitting, it is necessary to verify that the output current, in horizontal position, is between the upon mentioned values. Otherwise, you have to act on the support slots to place the sensor in a correct way.



Technical data sheet

Supply voltage	10 + 32 VDC
Working range	From -105° to +105°
Resolution	1.16°
Current absorbed with output disconnected	18mA at 12VDC, 20mA at 24VDC
Max output voltage drop	5.5V
Answer time	164 ms
Working temperature	-40°C + 70°C
Precision @ Tamb 0° + 70°C	± 1.4°
Precision @ Tamb -10° + 70°C	± 4.0°
Protection class	IP 67

Dimensions

