



IO.AS-dP.01(ENG)

APLISENS

MANUFACTURE OF PRESSURE TRANSMITTERS
AND CONTROL INSTRUMENTS

USER'S MANUAL

DIFFERENTIAL PRESSURE TRANSMITTER TYPE AS-dP

Edition F

WARSAW NOVEMBER 2017

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- 5.2. Electrical connectors make in accordance with Fig. 2a for DC supply or Fig. 2b for AC supply.
In environments with a large electromagnetic noise the strand or strand in shield line type is recommended. Isolate transmitter signal lines from power electrical supply lines or from big electrical energy receivers. The devices used together with the transmitters should be resistant to electromagnetic interference from the transmission line in accordance with compatibility requirements.

6. ZERO AND MEASUREMENT RANGE POSITION SETTING

Demontage (unscrew) the transmitter electrical connector to get access to potentiometers knobs. Power the transmitter in accordance with its technical parameters. Supply a pressure signal equal to the lower limit of the measurement range, and regulate the output signal equal to 4mA (0V) by turning the "zero" potentiometer. Turn the knob to the right to increase the output signal. After the zero position has been set, supply a pressure signal equal to the upper range limit, and use the "range" potentiometer to adjust the output current (voltage) equal to 20mA (10V). Recheck the zero position, and repeat the procedure if necessary.

Note:

Potentiometers can be used to adjust the zero and the range position by up to 10%.

For transmitters with 0...10V output you should set „zero“ on 0,05V value (transmitters not achieve 0V output signal value).

7. EXPLOITATION

Protect transmitters before mechanical damage and flooding. Don't admit to come into being the residue on the diaphragm.

8. GUARANTEE

Manufacturer warrants under the conditions specified in the Product Certificate which is also a guarantee card.

9. SCRAPPING, DISPOSAL

Waste or damaged transmitters should be dismantled and disposed of in accordance with Directive (2002/96/EC) on waste electrical and electronic equipment (WEEE) or returned to the manufacturer.

10. FIGURES

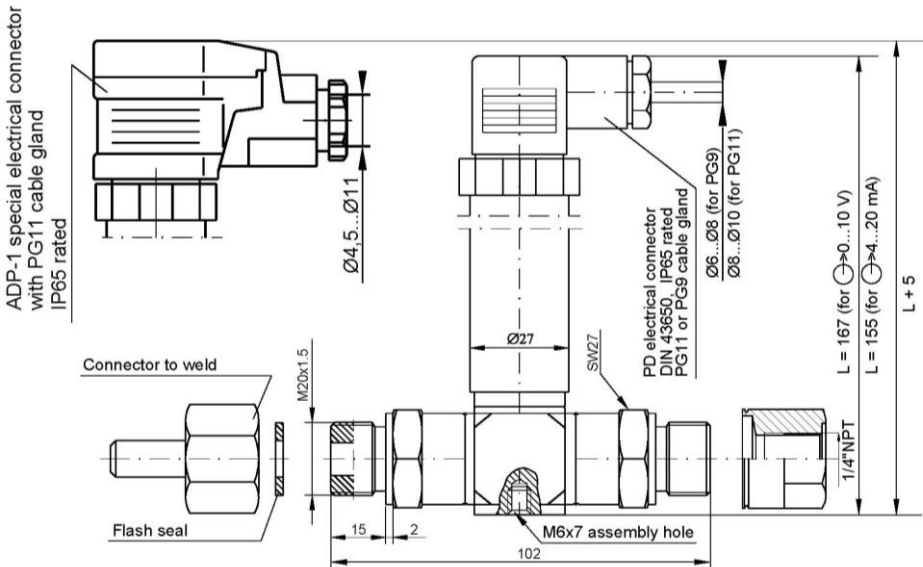


Fig.1. AS-dP series differential pressure transmitter

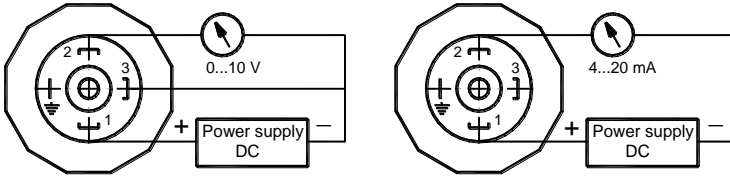
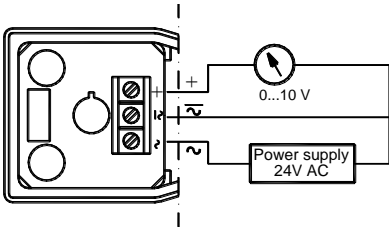


Fig.2a. Transmitter wiring diagrams for DC voltage supply.



Note:
(In case of transmitter repair by the manufacturer's service, transmitter should delivers with connector together.)

Fig.2b. Transmitter wiring diagram for AC voltage supply.