

The pressure transmitter of ADZ-SML Ex Zone2/22 family are designed to sense pressure in facilities with gaseous or liquid media. They are usable in zone 2 or zone 22.

The transducers are market with:

II 3G Ex nA IIC T4 Gc X
II 3D Ex tc IIIC T135°C Dc X

1 General directions – to be complied with at all times – for correct and safe use of the electronic pressure transmitter:

- Please keep within the limit values given in the specification for such items as pressure, force, torque and temperature.
- Give due consideration to the prevailing ambient conditions (temperature, atmospheric humidity, atmospheric pressure, etc.)
- Observe the applicable safety regulations laid down by the regulatory bodies in the country of use.
- Use the product only in its original conditions. Do not carry out any unauthorized modifications.
- Remove all items providing protection in transit such as foils, caps or cartons.
- Defective or damaged devices must be replaced immediately

2 Operating conditions

- Type testing does not applies to all ambient conditions without limitations. The user is responsible for verifying that the plug-and-socket connection complies with the specified rules and regulations, or whether it may be used for specialized purposes other than those intended by use.
- The values given in the technical data for overpressure safety relate to the hydraulic or pneumatic part of the pressure transmitter.
- The implementation of the European norm EN 60079-14 is to be followed.
The EN 60079-0:2014, EN 60079-15:2010 und EN 60079-26:2015 standards were applied.
- Technical data according to data sheet must be observed.

3 Special condition (Sign X)

- The transducer do not have an external grounding contact. At the installation the housing have to connect to ground according EN 60079-14, Section 6.3.
- The cable contact have to connect outside of the explosion atmosphere or within an approved terminal box.
- Never plug or unplug the connector in case of applied voltage.

4 Installation

4.1 Mechanical / pneumatic / hydraulic

- Screw the electronic pressure transmitter into the pressure connection provided using an open-jaw spanner, with a tightening torque of in the datasheet allowed value.
- To seal the system, use a standard seal with the appropriate dimensions.

4.2 Electrical

- All wiring should conform to local codes and must be carried out by authorised personal only. Keep high and low voltage wiring separated. For applications in critical industrial environment use special cables.
- Observe without fail the connecting information – labelled on the transmitter or laid down in the operating instructions – while connecting the pressure transmitter.
- Ensure that the cables routed without crushing.
- Electricity supply and wirings must be enough for the demands for the ex-protection.

4.3 Grounding

- At the installation the housing have to connect to ground according EN 60079-14, Section 6.3.

5 Maintenance

- The transducer do not have parts for maintenance
- Do not open the housing!

📄 INSTALLATIONSANLEITUNG ADZ-SML_EX_ZONE2_GB-01.DOCX
📅 31 January 2017