Mounting instructions
Protective cover
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1 For your safety

1.1 Authorised personnel

All operations described in this operating instructions manual must be carried out only by trained specialist personnel authorised by the plant operator.

During work on and with the device the required personal protective equipment must always be worn.

1.2 Appropriate use

The protective cover is an accessory or retrofit part for sensors from the VEGA plics® line of products.

1.3 General safety instructions

The safety information in the operating instructions manual of the respective sensor must be noted.

1.4 Safety instructions for Ex areas

Please note the Ex-specific safety information for installation and operation in Ex areas. These safety instructions are part of the operating instructions manual and come with the Ex-approved instruments.
2 Product description

2.1 Structure

Scope of delivery
The scope of delivery encompasses:

- Protective cover
- Documentation
  - this operating instructions manual

Constituent parts
The protective cover is available in two versions:

- For single chamber housing (plastic and stainless steel)
- For double chamber housing and Aluminium single chamber housing

The two versions differ in configuration and size; function and handling are identical.

Fig. 1: Protective cover for single chamber housing

Fig. 2: Protective cover for double chamber housing and Aluminium single chamber housing
2.2 Principle of operation

Application area

The protective cover is an accessory or retrofit part for level, switching and pressure sensors from the VEGA plics® product line. It is suitable for sensors with or without indicating and adjustment module. The height difference of the housing is compensated by the supplied foam rubber adapter disc.

With double chamber housings, the indicating and adjustment module must be mounted on top.

Functional principle

The protective cover protects the sensor housing against soiling and intense heat from solar radiation when it is mounted outdoors.

It consists of two half-shells with hinge held together by a snap-on connection. A secure hold on the sensor housing is ensured via fastening elements. Ventilation slots allow air circulation.

The protective cover is put on after the sensor is mounted and commissioned. It is not necessary to interrupt the electrical connection.
3 Mounting

3.1 Mounting preparations

Tools

No tools are required for mounting.

3.2 Mounting steps

Proceed as follows:

1. Open the snap connection by pressing on the smooth housing half

2. Opening the protective cover

3. In case of sensor housing with integrated indicating and adjustment module, remove the foam rubber disc

4. Slide the protective cover over the sensor housing
5 Close the protective cover and snap in the snap connection

**Fig. 5: Close the protective cover**

1 Version for single chamber housing
2 Version for double chamber housing

6 Check if the protective cover is sitting firmly on the sensor housing

Assembly is finished.

Dismounting is carried out correspondingly in reverse order.
4 Supplement

4.1 Technical data

<table>
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<tr>
<th>General data</th>
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<tbody>
<tr>
<td>Material</td>
<td>plastic PBT</td>
</tr>
<tr>
<td>Colour</td>
<td>Tele grey (RAL 7047)</td>
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<tr>
<td>Weight</td>
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</table>

<table>
<thead>
<tr>
<th>Ambient conditions</th>
<th></th>
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<tbody>
<tr>
<td>Ambient, storage and transport temperature</td>
<td>-40 … +80 °C (-40 … +176 °F)</td>
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</tbody>
</table>
4.2 Dimensions

Protective cover for single chamber housing

Fig. 6: Protective cover for single chamber housing
Protective cover for double chamber housing

Fig. 7: Protective cover for double chamber housing und Aluminium single chamber housing