Mounting instructions
Housing ISO-GEH.AXX
Protective housing for VEGAMET 391

Document ID: 38160

Signal conditioning instruments and communication
1 Product description

The housing is designed for installation of a VEGAMET 391 signal conditioning instrument. It is used when the protection rating of the signal conditioning instrument is not sufficient, for example when used in the field or outdoors. When installed correctly, the protection rating is increased to IP 65.

The signal conditioning instrument is simply screwed onto the integrated mounting plate. The display of the signal conditioning instrument is always visible due to the transparent cover.

The lower side of the housing is provided with four cable leadthroughs (M20) for electrical connection.
2 Mounting and connection

The housing is designed for wall/surface mounting and can be fastened via four screws (max. ø 6 mm) after removal of the cover and the intermediate frame. The hole distance is 180 x 280 mm.

If a signal conditioning instrument in Ex version is mounted, the housing may not be installed in hazardous areas. Take note of the Ex-specific safety instructions attached to each instrument with Ex approval.

1 Mount the instrument in the allotted place. The cable entries should point downward to ensure better protection against moisture.

2 Screw the signal conditioning instrument with the attached screws (M4) to the mounting plate. Several mounting positions are possible (left/middle/right). If necessary, the attached carrier rail can be mounted on the left or right of the signal conditioning instrument so that other devices, such as e.g. overvoltage protection, modem, fuses or terminals, can be mounted.

3 Carry out the wiring. Use cable with round cross-section. A cable outer diameter of 7 … 12 mm ensures the seal effect of the cable gland. If you are using cable with a different diameter or cross-section, exchange the seal or use a suitable cable gland. Details on mounting and electrical connection can be found in the respective operating instructions manual.

4 Close unused cable gland openings with the provided stoppers, or use blind stoppers instead, so that the housing is sealed and the protection rating maintained

5 Insert the intermediate frame and tighten it with the attached black plastic screws. Use the attached screw adapter.

6 Insert the cover and tighten it with the attached white plastic screws.
# 3 Supplement

## 3.1 Technical data

### General data

<table>
<thead>
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<th>Dimensions</th>
<th>(see dimensional drawing)</th>
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<tr>
<td>Housing materials</td>
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<tr>
<td>– Lower part/Cover</td>
<td>Polycarbonate</td>
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<tr>
<td>– Cover screws</td>
<td>Polyamide</td>
</tr>
<tr>
<td>– Seal</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>– Carrier rail</td>
<td>galvanized steel</td>
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<tr>
<td>Flammability</td>
<td>UL94 V-2</td>
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<tr>
<td>Colour</td>
<td>RAL 7035</td>
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<td>Protection rating</td>
<td>IP 65</td>
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<tr>
<td>Ambient temperature</td>
<td>-50 ... +100 °C (-58 ... +212 °F)</td>
</tr>
</tbody>
</table>
3.2 Dimensions

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Dimensions

- Housing ISO-GEH.AXX
  - 200 mm (7.87")
  - 224 mm (8.8")
  - 300 mm (11.81")
  - 326.5 mm (12.85")
  - 190 mm (7.48")
  - 10 mm (0.39")
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**Supplement 38160-EN-100604**

Housing ISO-GEH.AXX • Protective housing for VEGAMET 391
All statements concerning scope of delivery, application, practical use and operating conditions of the sensors and processing systems correspond to the information available at the time of printing.

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