Functional range
► free scalable display
► switch mode, hysteresis, parameterizable deceleration of the contacts
► no external power supply necessary

Product characteristics
► field display for pressure transmitter with output signal: 4 … 20 mA / 2-wire or 0 … 10 V / 3-wire
► 4-digit LCD display
► plastic or aluminium housing
► pressure compensation element with PTFE-Filter

Optional versions
► IS-version
► 2 contacts
► 4-digit LED display

Typical application
in situ display at pumping stations
### Analogue signal

- **Standard**: 2-wire: 4 ... 20 mA
- **Option IS-version**: 2-wire: 4 ... 20 mA
- **Option 3-wire**: 0 ... 10 V (in preparation)
- **Accuracy**: \( \leq 0.1\% \text{ FSO} \pm 1 \text{ digit} \)

### Supply

- **2-wire system**: supplied by current loop; voltage drop \( \leq 6.5 \text{ V} \)
- **IS version**: max. 28 V\text{DC} (for combination with transmitter and PA 440)
- **3-wire system**: display is supplied parallel with transmitter; \( V_s = 8 \text{ VDC} \ldots 36 \text{ VDC} \)

### Contact

- **Number, type**: 2 independent PNP open collector contacts
- **Switching performance**: contact rating max. 125 mA, short-circuit resistant
- **Switching frequency**: max. 8/sec
- **Delay time**: 0 ... 100 sec

### Miscellaneous

- **Electrical protection**: reverse polarity protection (no damage, but also no function);
electromagnetic compatibility (emission and immunity according to EN 61326);
short-circuit protection
- **Ingress protection**: IP 65
- **Display**: 4-digit, 7-segment LC display, range of indication -1999 ... 9999; accuracy 0.2 % ± 1 digit;
standard: LC display, digit height 18 mm
option: LED display, digit height 10 mm, red
- **Permissible temperatures**: electronics / environment / storage: -20 ... 70 °C
- **Material display housing**: electronics / environment / storage: standard:
plastic ABS, grey
option: aluminium die cast case, grey powder-coating
- **Cable entries**: cable gland M16x1.5 Polyamide, seals NBR, diameter range: standard 5 ... 10 mm
- **Atmospheric pressure compensation**: pressure compensation element with PTFE filter
- **Terminal clamps**: vertical clamps for stranded and solid wires up to 2.5 mm²
- **Dimensions (height x width x depth)**: plastic housing: 80 mm x 120 mm x 57 mm
aluminium die cast case: 80 mm x 125 mm x 57 mm
- **Weight**: plastic housing: approx. 220 g
aluminium die cast case: approx. 550 g
- **IS protection (optionally)**
- **Approval AX15-PA 440**: IBEExU08ATEX1126 X
zone 1: II 2G Ex ia IIB T4 Gb
- **Safety technical maximum values**: \( U_i = 28 \text{ VDC}, I_i = 93 \text{ mA}, P_i = 660 \text{ mW}, C_i = 0 \text{ nF}, L_i = 0 \mu \text{H} \)
- **Ambient temperature range**: from -20 °C to +70 °C
- **Wiring diagram**

![Wiring Diagram](image)

### Dimensions (in mm)

- **plastic housing**:
  - 120
  - 108
- **aluminium die cast case**:
  - 125
  - 113
  - Mounting hole Ø6

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The data sheet contains product specification, properties are not guaranteed. Subject to change without notice.
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<th>Analogue output</th>
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<td>4 ... 20 mA / 2-wire</td>
<td>1</td>
<td>1</td>
<td>standard 1</td>
<td>C</td>
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<td></td>
<td></td>
<td>Intrinsic safety for zone 1 / 4 ... 20 mA / 2-wire</td>
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<td>1</td>
<td>neutral N</td>
<td>D</td>
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<td>2</td>
<td>customer 9</td>
<td></td>
<td></td>
<td>customer 9 9 9</td>
</tr>
</tbody>
</table>

1 only possible in combination with LED display
2 the unit signs are loose-settled
3 not possible for Ex-version

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