Industrial Low Pressure Transducers & Transmitters

HT-SIL Series

- High accuracy and reliability
- Ranges 10 mbar to 40 bar
- 2/3 wire 4-20mA & voltage
- Wide choice of connectors
- Temperature -40°C + 85°C
- Compact and rugged design

The HT-SIL series provides a low pressure version of the popular HT-SML Pressure transducers and transmitters for general industrial applications. A range of specification options provide a perfect solution for a wide range of gases and liquids compatible with stainless steel/silicon.

Discover more at www.hydrotechnik.co.uk
Industrial
Pressure Transducers & Transmitters

HT-SIL Series

TECHNICAL SPECIFICATIONS

Standard pressure ranges & signal outputs

<table>
<thead>
<tr>
<th>Measuring range * (mbar)</th>
<th>10</th>
<th>16</th>
<th>20</th>
<th>25</th>
<th>40</th>
<th>60</th>
<th>100</th>
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<tbody>
<tr>
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<td>Burst pressure</td>
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<td>1500</td>
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<td>1800</td>
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<td>10</td>
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<tr>
<td>Burst pressure</td>
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<td>150</td>
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</table>

- Media temperature range: -40°C to +85°C
- Compensated temperature range: -10°C to +70°C
- Ambient temperature range: -40°C to +85°C

Performance

- Accuracy: Non-linearity, hysteresis and non-repeatability at room temperature according to IEC 61298-2 (or BSFL/Best Fit Straight Line) <1.0% FS range (<0.5% BSFL)
- Temperature effects: Zero/Span typical thermal coefficients <0.15% FS range / 10°C
- Total Error Band: Maximum 3% FS from room temperature to -40°C or +105°C
- Long term stability: <0.1% FS range/year
- Response time: <1 ms (from 10% to 90% FS range)
- Vibration resistance: 20g (according to IEC 68-2-6 and IEC 68-2-36)
- Shock resistance: 1000g (according to IEC 68-2-32)

Physical

- Material: body - stainless steel, pressure inlet port - stainless steel & silicon
- Process connection: G 1/4 A, G1/4B, G1/2B, 1/4NPT
- Electrical connection: integral cable (1 metre), M12 x 1 male socket, DIN plug/socket, mini DIN plug socket (DIN EN 175301-803)
- Ingress protection: IP65 (for connector versions with their mating plug fitted)

Options

(1) Improved accuracy <0.5% FS (<0.25% BSFL)
(2) additional cable (specify length)

Related products

Hydrotechnik manufactures a wide range of sensors, test and measurement equipment. Contact us for further information or visit www.hydrotechnik.co.uk

Continuing development can necessitate specification changes without notice.
## HT-SIL Series

### ORDER CODES

<table>
<thead>
<tr>
<th>Series</th>
<th>Output Signal</th>
<th>Pressure Range</th>
<th>Unit</th>
<th>Pressure Type</th>
<th>HEX</th>
<th>Electr. Connection</th>
<th>Extras</th>
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<tbody>
<tr>
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<td>0000060</td>
<td>bar</td>
<td>(g)</td>
<td>I4NP</td>
<td>22</td>
<td>M12</td>
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### HT-SIL Series Output Signal and Pressure Range

- **SIL 37.0**: 0000060

#### Pressure Types and Unit
- **bar**
- **kPa**
- **MPa**
- **PSI**
- **kg/cm2**
- **m WC**
- **in WC**
- **Others**

#### Signal and Connection Types
- **4...20 mA / 2 wires**
- **0...20 mA / 3 wires**
- **4...20 mA / 3 wires**
- **0...10 V**
- **1...5 V**
- **0...6 V**
- **0...5 V**
- **0.5...4.5 V ratiom.**
- **0.5...4.5 V non ratiom.**
- **CANopen 2.0A**
- **Others**

#### Connection Examples
- **G 1/8 A Shape A G18A 22**
- **G 1/4 A Shape A G14A 22**
- **G 1/4 A Shape E G14E 22**
- **G 1/2 B (Manom.) G12B 27**
- **G 1/2 A Shape E G12E 27**
- **1/8 NPT 18NP 22**
- **1/4 NPT 14NP 22**
- **7/16-18 UNF-2A U72M 22**
- **7/16-20 UNF-2A/C U72C 22**
- **7/16-20 UNF-2B U72F 22**
- **3/8-24 UNF-2A U38M 22**
- **3/8-24 UNF-2A/C U38C 22**
- **1/2-20 UNF-2A U12M 22**
- **M6 x 1 male M06M 22**
- **M10 x 1 Shape A M10A 22**
- **M12 x 1 Shape E M12E 22**
- **M12 x 1 konical M12C 22**
- **M12 x 1.5 Cs-Ring M12S 22**
- **M14 x 1.5 Shape A M14A 22**
- **M14 x 1.5 Shape E M14E 22**
- **M14 x 1.5 ISO M14C 22**
- **M16 x 1.5 Shape A M16A 22**
- **M16 x 1.5 female M16F 22**
- **M18 x 1.5 male M18M 22**
- **M20 x 1.5 Manom M20B 22**
- **R 1/4 male R14M 22**
- **Others**

#### Extras
- **Restrictor 0.6 mm**: R06
- **Restractors others**: RXX
- **Total Error 0.5%**: F50
- **Total Error 0.25%**: F25
- **Total Error other**: FXX
- **Cleaned for Oxygen Use**: O2C
- **Schrader Opener 2.9**: S29
- **Others (see below)**: GGG