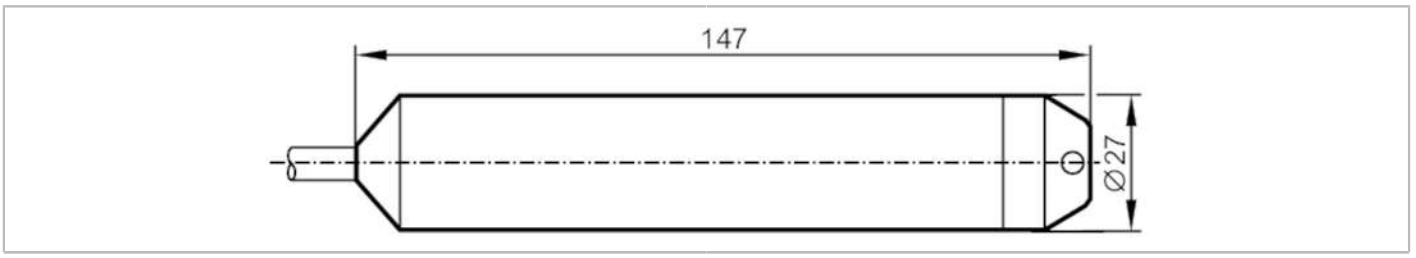
# PS4607

## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 30M FEP CABLE




| | | | | | |
|---|---|---|---|---|---|
| **Product characteristics** | | | | | |
| Number of inputs and outputs | Number of analogue outputs: 1 | | | | |
| Measuring range | 0...1 bar | 0...1000 mbar | 0...14.5 psi | 0...401.5 inH2O | 0...100 kPa |
| **Application** | | | | | |
| Design | with capillary tube for pressure compensation | | | | |
| Application | for industrial applications | | | | |
| Media | Liquids | | | | |
| Medium temperature [°C] | -10...85 | | | | |
| Min. bursting pressure | 6 bar | 87 psi | 600 kPa | | |
| Pressure rating | 5 bar | 72.5 psi | 500 kPa | | |
| Type of pressure | relative pressure | | | | |
| **Electrical data** | | | | | |
| Operating voltage [V] | 10...30 DC | | | | |
| Protection class | III | | | | |
| Reverse polarity protection | yes | | | | |
| Measuring principle | hydrostatic | | | | |
| **Inputs / outputs** | | | | | |
| Number of inputs and outputs | Number of analogue outputs: 1 | | | | |
| **Outputs** | | | | | |
| Total number of outputs | 1 | | | | |
| Output signal | analogue signal | | | | |
| Number of analogue outputs | 1 | | | | |
| Analogue current output [mA] | 4...20 | | | | |
| Max. load [Ω] | 700; (Ub = 24 V; (Ub - 10 V) / 20 mA) | | | | |
| Short-circuit protection | yes | | | | |
| **Measuring/setting range** | | | | | |
| Measuring range | 0...1 bar | 0...1000 mbar | 0...14.5 psi | 0...401.5 inH2O | 0...100 kPa |
| **Accuracy / deviations** | | | | | |
| Repeatability [% of the span] | < 0,1; (with temperature fluctuations < 10 K) | | | | |
| Characteristics deviation [% of the span] | < 0,25 (BFSL) / 0,5; (incl. linearity, zero and span error (limit value setting)) | | | | |
| Linearity deviation [% of the span] | < 0,2 (BFSL) | | | | |
| Long-term stability [% of the span] | < 0,2; (per year) | | | | |

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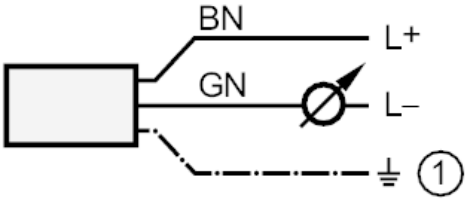
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| | | |
|---|---|---|
| Temperature coefficient zero point [% of the span / 10 K] | | < ± 0,2; (0...50 °C) |
| Temperature coefficient span [% of the span / 10 K] | | < ± 0,2; (0...50 °C) |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -10...85 |
| Storage temperature | [°C] | -30...80 |
| Protection | | IP 68 |
| **Tests / approvals** | | |
| MTTF | [years] | 403 |
| Pressure Equipment Directive | | Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request |
| **Mechanical data** | | |
| Weight | [g] | 2376 |
| Housing | | cylindrical |
| Dimensions | [mm] | Ø 27 / L = 147 |
| Materials | | stainless steel (316Ti/1.4571); PA |
| **Remarks** | | |
| Pack quantity | | 1 pcs. |
| **Electrical connection** | | |

Cable: 30 m, FEP, Ø 7.5 mm

Connection




| | |
|---|---|
| 1: | screen (connected to the housing) |
| | Core colours : |
| BN = | brown |
| GN = | green |