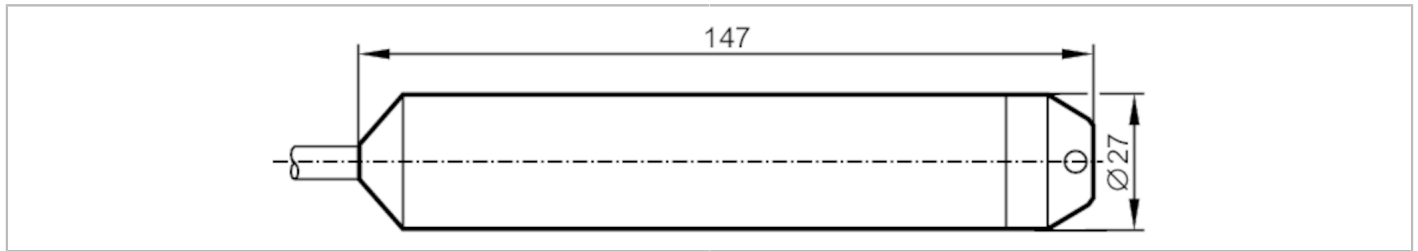


# PS4407



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE



| Product characteristics                   |   |              |             |            |
|---|---|--------------|-------------|------------|
| Output signal                             | analogue signal   |              |             |            |
| Measuring range                           | 0...0.6 bar   | 0...600 mbar | 0...8.7 psi | 0...60 kPa |
| Application                               |   |              |             |            |
| Design                                    | with capillary tube for pressure compensation                                     |              |             |            |
| Application                               | for industrial applications   |              |             |            |
| Media                                     | Liquids   |              |             |            |
| Medium temperature [°C]                   | -10...85  |              |             |            |
| Pressure rating                           | 3 bar   | 43.5 psi     | 300 kPa     |            |
| Min. bursting pressure                    | 4 bar   | 58 psi       | 400 kPa     |            |
| Type of pressure                          | relative pressure   |              |             |            |
| Electrical data                           |   |              |             |            |
| Operating voltage [V]                     | 10...30 DC  |              |             |            |
| Protection class                          | III   |              |             |            |
| Reverse polarity protection               | yes   |              |             |            |
| 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; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 10 V) / 20 mA)                     |              |             |            |
| Short-circuit protection                  | yes   |              |             |            |
| Measuring/setting range                   |   |              |             |            |
| Measuring range                           | 0...0.6 bar   | 0...600 mbar | 0...8.7 psi | 0...60 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)   |              |             |            |
| Temperature coefficient zero point        | < ± 0,2; (0...50 °C)  |              |             |            |

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|  |                      |
|--|----------------------|
| [% of the span / 10 K]                                 |                      |
| Temperature coefficient span<br>[% 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    |

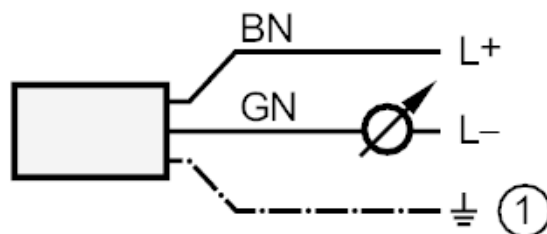
| Tests / approvals            |   |
|------------------------------|---|
| MTTF [years]                 | 403   |
| Pressure Equipment Directive | Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request |

| Mechanical data |                                    |
|-----------------|------------------------------------|
| Weight [g]      | 996.5                              |
| Materials       | stainless steel (1.4571/316Ti); PA |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

**Electrical connection**  
Cable: 10 m, FEP, Ø 7.5 mm

### Connection



1: screen (connected to the housing)

Core colours :

BN = brown

GN = green