



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,25BAR 10M FEP CABLE



## Product characteristics

|                              |                             |              |              |                              |            |
|------------------------------|-----------------------------|--------------|--------------|------------------------------|------------|
| Number of inputs and outputs | Number of analog outputs: 1 |              |              |                              |            |
| Measuring range              | 0...0.25 bar                | 0...250 mbar | 0...3.63 psi | 0...100.4 inH <sub>2</sub> O | 0...25 kPa |

## Application

|                         |                                               |        |         |
|-------------------------|-----------------------------------------------|--------|---------|
| Design                  | with capillary tube for pressure compensation |        |         |
| Application             | for industrial applications                   |        |         |
| Media                   | Liquids                                       |        |         |
| Medium temperature [°C] | -10...85                                      |        |         |
| Min. bursting pressure  | 2.4 bar                                       | 35 psi | 240 kPa |
| Pressure rating         | 2 bar                                         | 29 psi | 200 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 analog outputs: 1 |
|------------------------------|-----------------------------|

## Outputs

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| Total number of outputs    | 1                                                             |
| Output signal              | analog signal                                                 |
| Number of analog outputs   | 1                                                             |
| Analog 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...0.25 bar | 0...250 mbar | 0...3.63 psi | 0...100.4 inH <sub>2</sub> O | 0...25 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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|                                                              |                                               |
|--------------------------------------------------------------|-----------------------------------------------|
| Temperature coefficient zero point<br>[% of the span / 10 K] | $< \pm 0,2; (0...50\text{ }^{\circ}\text{C})$ |
| Temperature coefficient span<br>[% of the span / 10 K]       | $< \pm 0,2; (0...50\text{ }^{\circ}\text{C})$ |

### 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]      | 991.5                              |
| Housing         | tubular                            |
| Dimensions [mm] | Ø 27 / L = 147                     |
| Material        | stainless steel (1.4571/316Ti); PA |

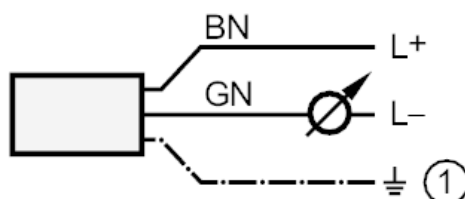
### Remarks

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

### Electrical connection

Cable: 10 m, FEP, Ø 7.5 mm

### Connection



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