



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE



## Product characteristics

|                              |                               |              |             |                              |            |
|------------------------------|-------------------------------|--------------|-------------|------------------------------|------------|
| Number of inputs and outputs | Number of analogue outputs: 1 |              |             |                              |            |
| Measuring range              | 0...0.6 bar                   | 0...600 mbar | 0...8.7 psi | 0...240.9 inH <sub>2</sub> O | 0...60 kPa |

## Application

|                         |                                               |          |         |
|-------------------------|-----------------------------------------------|----------|---------|
| Design                  | with capillary tube for pressure compensation |          |         |
| Application             | for industrial applications                   |          |         |
| Media                   | Liquids                                       |          |         |
| Medium temperature [°C] | -10...85                                      |          |         |
| Min. bursting pressure  | 4 bar                                         | 58 psi   | 400 kPa |
| Pressure rating         | 3 bar                                         | 43.5 psi | 300 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; (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...240.9 inH <sub>2</sub> O | 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)                                                                 |



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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]      | 1019.75                            |
| Housing         | cylindrical                        |
| Dimensions [mm] | Ø 27 / L = 147                     |
| Materials       | stainless steel (316Ti/1.4571); PA |

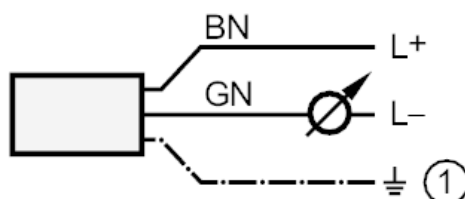
### Remarks

|               |        |
|---------------|--------|
| 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