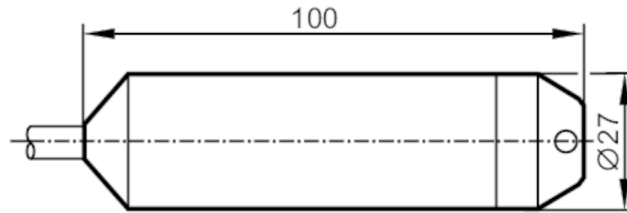




## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 30M PUR 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 inH <sub>2</sub> O | 0...100 kPa |

### Application

|                         |                                               |          |         |
|-------------------------|-----------------------------------------------|----------|---------|
| Design                  | with capillary tube for pressure compensation |          |         |
| Application             | for industrial applications                   |          |         |
| Media                   | Liquids                                       |          |         |
| Medium temperature [°C] | -10...50                                      |          |         |
| 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; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 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 inH <sub>2</sub> O | 0...100 kPa |
|-----------------|-----------|---------------|--------------|------------------------------|-------------|

### Accuracy / deviations

|                                           |                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------|
| Repeatability [% of the span]             | < 0,1; (with temperature fluctuations < 10 K)                                 |
| Characteristics deviation [% of the span] | < 0,5 (BFSL) /1; (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] | < ± 0,2; (0...50 °C) |
| Temperature coefficient span<br>[% of the span / 10 K]       | < ± 0,2; (0...50 °C) |

| Operating conditions     |          |
|--------------------------|----------|
| Ambient temperature [°C] | -10...50 |
| Storage temperature [°C] | -30...80 |
| Protection               | IP 68    |

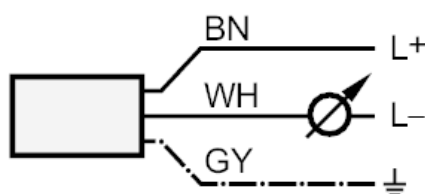
| Tests / approvals            |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| MTTF [years]                 | 403                      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

| Mechanical data |                                    |
|-----------------|------------------------------------|
| Weight [g]      | 2342.8                             |
| Materials       | stainless steel (316Ti/1.4571); PA |

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

| Electrical connection      |  |
|----------------------------|--|
| Cable: 30 m, PUR, Ø 7.5 mm |  |

| Connection |  |
|------------|--|
|------------|--|



Core colours :  
 BN = brown  
 GY = grey  
 WH = white