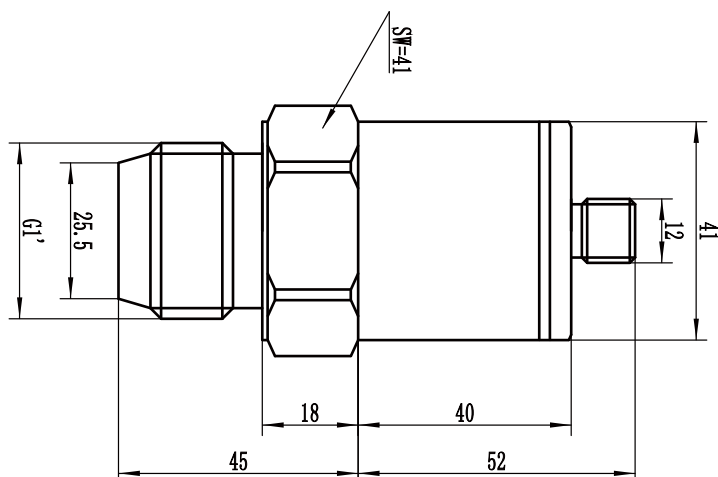


**Product application**

- Durable stainless steel case for food and beverage industry
- Sanitary flush design
- Resist high pressure cleaning with strong cleaning agent
- High temperature resistance, high protection grade

**Technical parameter**

|                                      |                                                                                                                                                                                                                  |                                          |                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| ◇ Process connection:                | G1 external thread                                                                                                                                                                                               | ◇ Zero point of temperature coefficient: | $<\pm 0, 05; (0..70^{\circ}\text{C}) \times 22$                                                                                        |
| ◇ Working voltage:                   | DC18... 30V                                                                                                                                                                                                      | ◇ Range of temperature coefficient:      | $<\pm 0, 15; (0..70^{\circ}\text{C}) \times 22$                                                                                        |
| ◇ Output signal:                     | 4...20; (adjustable range) mA                                                                                                                                                                                    | ◇ Repeatability accuracy:                | $<\pm 0, 1; (\text{Temperature fluctuations} < 10\text{K}; \text{Turn down } 1:1) \times 21$                                           |
| ◇ Measurement range:                 | -0.1...1MPa                                                                                                                                                                                                      | ◇ Electrical interface:                  | M12 connector                                                                                                                          |
| ◇ Compressive strength:              | 5MPa                                                                                                                                                                                                             | ◇ Raw materials:                         | Stainless steel (1.4404/316L), PBT                                                                                                     |
| ◇ Burst pressure:                    | 15MPa                                                                                                                                                                                                            | ◇ Materials (wet components):            | Ceramic (99.9% Al <sub>2</sub> O <sub>3</sub> ); PTFE;<br>Stainless steel (1.4435/316L);<br>Surface characteristic value: Ra < 0.4/Rz4 |
| ◇ Lag deviation:                     | $<\pm 0, 15; (\text{Turn down } 1:1) \times 21$                                                                                                                                                                  | ◇ Enclosure protection class:            | IP67; IP68; IP69K                                                                                                                      |
| ◇ Deviation of characteristic curve: | $"<\pm 0.2$ (in accordance with DIN EN 61298-2);<br>(including: drift caused by overly tight installation,<br>zero point and measurement range errors,<br>non-linearity, hysteresis; Turn down 1:1) $\times 21"$ |                                          |                                                                                                                                        |
| ◇ Long-term stability:               | $<\pm 0, 1; (\text{Turn down } 1:1; \text{Every year}) \times 21$                                                                                                                                                | ◇ Protection class:                      | III                                                                                                                                    |
| ◇ Linear deviation:                  | $<\pm 0, 15; (\text{Turn down } 1:1) \times 21$                                                                                                                                                                  | ◇ Ambient temperature:                   | -25...80°C                                                                                                                             |
|                                      |                                                                                                                                                                                                                  | ◇ Medium temperature:                    | -25...125; (150max.1h) °C                                                                                                              |

**Dimensional drawing (mm)**

Selection table

| PM270- |     | A    | G1M | detail                                                |
|--------|-----|------|-----|-------------------------------------------------------|
| PM270  |     |      |     | PM270 ceramic capacitive pressure (level) transmitter |
|        | 001 |      |     | Range: -0.1... 0.1 bar                                |
|        | 002 |      |     | Range: -0.5... 0.5 bar                                |
|        | 003 |      |     | Range: -1... 0bar                                     |
|        | 004 |      |     | Range: -1... 1bar                                     |
|        | 005 |      |     | Range: -1... 5bar                                     |
|        | 006 |      |     | Range: -1... 10bar                                    |
|        | 007 |      |     | Range: 0... 0.1 bar                                   |
|        | 008 |      |     | Range: 0... 0.5 bar                                   |
|        | 009 |      |     | Range: 0... 1bar                                      |
|        | 010 |      |     | Range: 0... 5bar                                      |
|        | 011 |      |     | Range: 0... 10bar                                     |
|        | 012 |      |     | Range: 0... 20bar                                     |
|        |     | A    |     | Output signal: 4-20mA                                 |
|        |     | V05  |     | Output signal: 0-5V                                   |
|        |     | V15  |     | Output signal: 1-5V                                   |
|        |     | V010 |     | Output signal: 0-10V                                  |
|        |     | V110 |     | Output signal: 1-10V                                  |
|        |     |      | G1M | G1 external thread cone seal                          |

Optional accessory: G1K welding base (Order Number: KTYLLC24224)

