



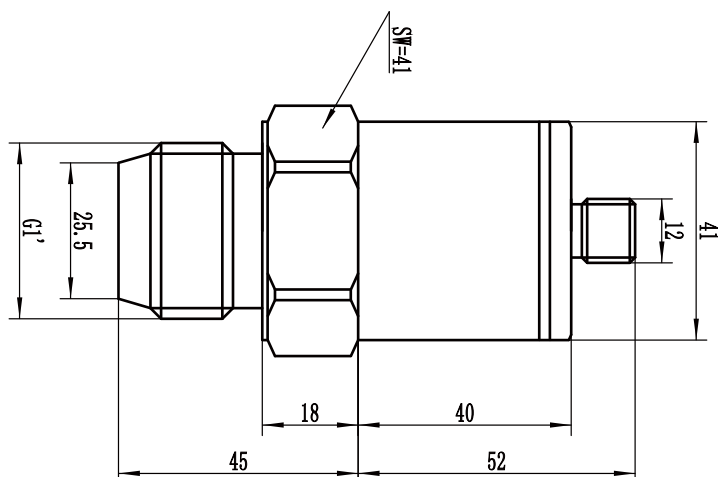
Product application

- 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:	$\leq \pm 0, 05$; ($0...70^{\circ}\text{C}$) X22
◇ Working voltage:	DC18... 30V	◇ Range of temperature coefficient:	$\leq \pm 0, 15$; ($0...70^{\circ}\text{C}$) X22
◇ Output signal:	4...20; (adjustable range) mA	◇ Repeatability accuracy:	$\leq \pm 0, 1$; (Temperature fluctuations $< 10\text{K}$; Turn down 1:1) X21
◇ 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_2O_3); PTFE; Stainless steel (1.4435/316L); Surface characteristic value: $R_a < 0.4/R_z4$
◇ Lag deviation:	$\leq \pm 0, 15$; (Turn down 1: 1) X21	◇ Enclosure protection class:	IP67; IP68; IP69K
◇ Deviation of characteristic curve:	" $\leq \pm 0.2$ (in accordance with DIN EN 61298-2); (including: drift caused by overly tight installation, zero point and measurement range errors, non-linearity, hysteresis; Turn down 1:1) X21"		
◇ Long-term stability:	$\leq \pm 0, 1$; (Turn down 1: 1; Every year) X21	◇ Protection class:	III
◇ Linear deviation:	$\leq \pm 0, 15$; (Turn down 1: 1) X21	◇ Ambient temperature:	$-25...80^{\circ}\text{C}$
		◇ Medium temperature:	$-25...125$; (150max.1h) $^{\circ}\text{C}$

Dimensional drawing (mm)



Selection table

PM 270-		A	G1M	detail
PM 270				PM 270 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)

