


FULLKON

Special characteristics

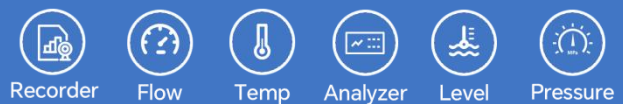
- Imported high-precision, high-stability diffused silicon sensor
- Wide pressure range from vacuum to high pressure
- Optional digital display
- Multiple output signals available
- Excellent long-term stability

Features

- High accuracy: 0.2 / 0.25 / 0.5 class
- Long-term stability: $\pm 0.2\%$ FS/year
- Wide measuring range: -100kPa ~ 60MPa
- Multiple outputs: 4 – 20 mA, 0 – 5V / 1 – 5V / 0 – 10V, RS485 (Modbus)
- Operating temperature: -20 ~ 85 ° C
- P65 protection rating

Measuring principle

The pressure transmitter operates based on the piezoresistive effect. The measured medium pressure directly acts on the sensor diaphragm, producing a micro-displacement proportional to the pressure. This changes the sensor resistance value. The electronic circuit detects the change and converts it into a standard measurement signal (current, voltage or RS485).



The PX400 Pressure Transmitter is a versatile and reliable pressure measurement solution designed for industrial applications. Featuring high-performance diffused silicon technology, optional digital display, multiple output signals, and excellent long-term stability, it is ideal for process control environments requiring stable performance and low maintenance.

Preferred areas of use are



Widely used for pressure measurement and control in industrial process automation, petroleum, chemical, metallurgy, power, and water treatment applications.

Material and test



Parameters

Measuring Range	-100kPa ~ 0...10kPa ~ 60MPa
Output	4–20 mA (2-wire), 0–5V / 1–5V / 0–10V, RS485 (Modbus RTU)
Power Supply	9–32 VDC (4–20 mA without display) 12–32 VDC (with display or voltage output) 10–32 VDC (4–20 mA + RS485)
Accuracy	0.2 / 0.25 / 0.5 class
Long-term Stability	±0.2% FS/year
Overload Pressure	150% FS (≤10 MPa), 125% FS (>10 MPa)
Medium Temperature	-20 ~ 85 °C
Ambient Temperature	-20 ~ 85 °C
Ingress Protection	IP65
Electrical Connection	M20 × 1.5 or 1/2" NPT
Materials	Housing: Aluminum alloy Diaphragm: 316L stainless steel Process connection: 304SS / 316LSS

■ Dimension

1 Standard Type

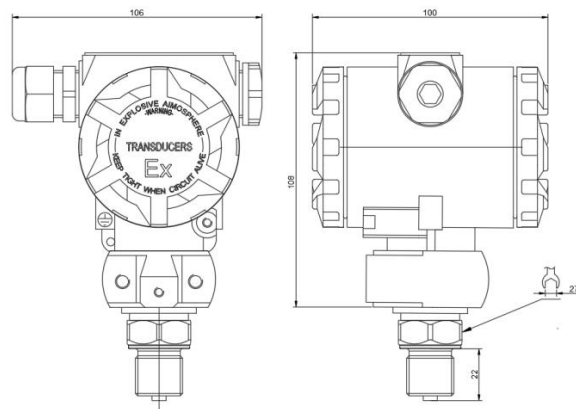


Figure 1: Standard pressure transmitter dimensions (unit: mm)

2 With Display Type

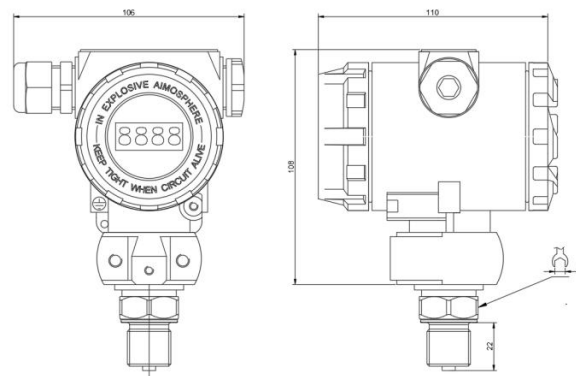


Figure 2: External dimensions of pressure transmitter with display (unit: mm)

3 High Temperature Type (with five heat sinks)

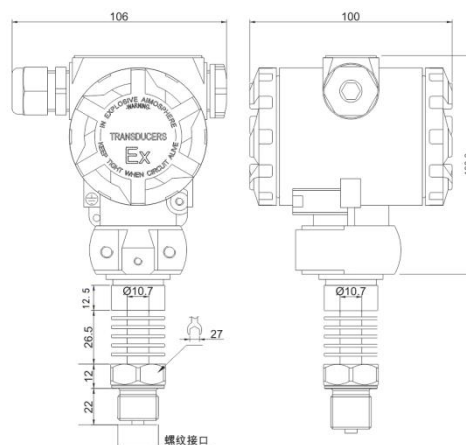


Figure 3. External dimensions of a high-temperature pressure transmitter (five heat sinks, unit: mm)

Ordering Code

FL-P400-G-A-1A-K-A1-L2-A-W1-PA														Description
PX400-G	-	-	-	-	-	-	-	-	-	-	-	-	-	2088 shell pressure transmitter
Sensor type	G													Gauge pressure
	A													absolute pressure
Measuring range	1A													-100-0kPa
	1B													-100-100kPa
	1C													-100-1000kPa
	1L													0-10kPa
	1M													0-20kPa
	1N													0-30kPa
	1Q													0-50kPa
	1S													0-100kPa
	2A													0-0.6MPa
	2B													0-1MPa
	2C													0-1.6MPa
	2D													0-2.5MPa
	2E													0-4MPa
	2H													0-10MPa
	2K													0-20MPa
	2L													0-25MPa
	2M													0-30MPa
	2N													0-40MPa
	2P													0-60MPa
	XX													others
Accuracy		K												Level0.5
Output and Power Supply		A1												Two-wire 4-20mA
		A9												4-20mA + RS485, 24VDC
		XX												other
Heat sink			9											9pieces
Process connection				L2										M20×1.5 external thread
				G2										G1/2 External Thread
				G1										G1/4 External Thread
				NA										NPT1/4 External Thread
				NC										NPT1/2 External Thread
				ND										NPT1/2 Internal Thread

	L1								M14×1.5 external thread
	XX								others
Diaphragm and process connection materials	A								316LSS, 304SS
	B								316LSS, 316LSS
	X								others
Electrical interfaces, housing material and protection level		W7							M20×1.5 external thread, cast aluminum, IP65
		XX							others
Cable length / capillary length			00						0m
			XX						others
Additional features (optional)									
Accessories					PA				Threaded base carbon steel CS
					PB				Threaded base 304SS
					PD				304SS condenser bend