

QYB16X

General Differential Pressure Transmitter

Overview

QYB16X sensitive element of the pressure transmitter is an integrated fully welded (no sealing ring) differential pressure measuring element. Silicone oil is filled between the chip and the two corrugated diaphragms. The measured differential pressure acts on the corrugated diaphragms at both ends. On the device, the differential pressure is transmitted to the sensitive chip through silicone oil, and the sensitive chip is connected to the signal processing circuit through wires. Since the signal output by the Wheatstone bridge on the sensitive chip has a good linear relationship with the differential pressure, the measured differential pressure can be accurately measured. The transmitter is available in a variety of measurement ranges to meet the needs of various users. It is widely used in various fields of metallurgy, machinery, petroleum, chemical industry, power stations, light industry, food, environmental protection, national defense and scientific research environment and various corrosive fluids.



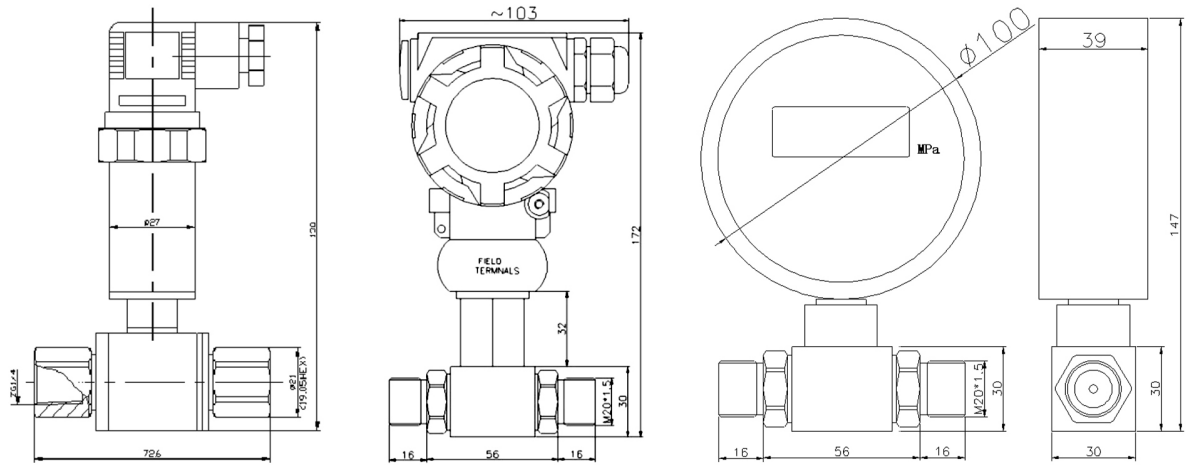
Features

- All stainless steel/die-cast aluminum design structure, lightweight and easy to install
- The sensor is a diffused silicon piezoresistive differential pressure sensor with SS316L isolation diaphragm
- After temperature compensation and aging selection, the performance is stable and reliable
- 4-Digit LED/LCD display

Performance Parameter

Pressure Range	0~3.5MPa
Output Signal	4-20mA/0-10V/RS485
Power Supply	10~30VDC
Accuracy	0.5%F.S
Operating Temperature	-10°C~80°C
Medium Temperature	-40°C~80°C
Overload	≤2 times the rated pressure
Thread	G1/4/ G1/4/ NPT1/4 / NPT1/2

Dimensions



Ordering Guide

QYB16X	General Differential Pressure Transmitter	
0	Code	Display
	X=0	Non-Display
	X=2	LED/LCD (2088 Shell)
	X=4	LED(Stainless Steel Shell)
I	Code	Output
	I	4-20mA
	R	RS485
	V5	0-5V
5MPa	Code	Measuring Range
	(0-X)MPa	X (Actual required range)
5	Code	Accuracy
	5	0.5%F.S
6	Code	Thread
	G14	G1/4
	NPT14	NPT1/4
	G12	G1/2
	NPT12	NPT1/2
	G38	G3/8
S4	Code	Wetted Material
	S4	SS304
	S6	SS316L
	SP	PTFE
	SM	Special Materials