

Description & Features

- **Isolated piezoresistive silicon sensor**
- **Pressure ranges:** Positive gauge pressure 0...5 kPa to 0...60 MPa
Vacuum gauge pressure -5...0 kPa to -100...0 kPa
Absolute pressure 0...10 kPa to 0...3.5 MPa
- **Explosion-proof Ex-ii IIC T6**
- **Seals Type:** Stainless steel welding
- **Accuracy:** 0.2% FSO or 0.5%FSO



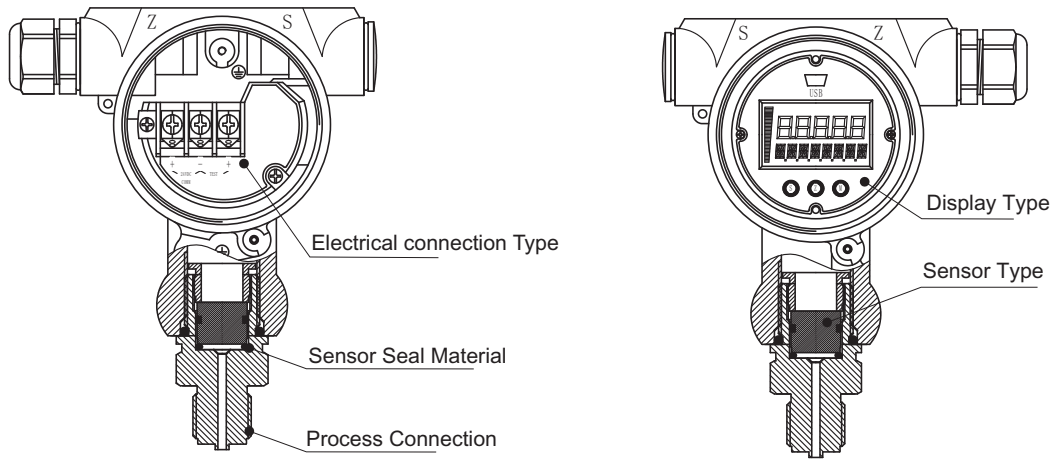
Applications

- **Oil & Gas**
- **Chemical industry**
- **Power station**
- **Metallurgy and other industrial process control**

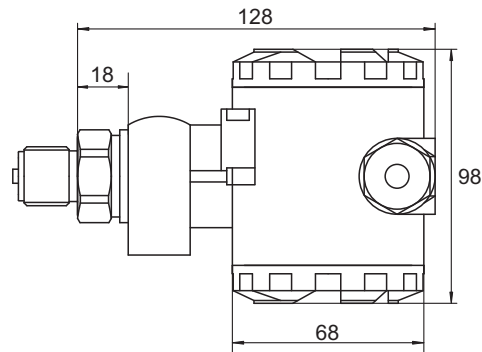
Specifications

Range	Positive gauge pressure		Negative gauge pressure		Absolute pressure	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	5 kPa	60 MPa	-5 kPa	-100 kPa	10 kPa	3.5 MPa
Accuarcy	0.2%F.S., 0.5%F.S.					
Operating voltage	12...30VDC, 24VDC					
Signal output	4...20mA, 5VDC, 0...20mA, 1...0...10VDC, 0...5VDC, Customer					
Temperature range	Compensation Temperature		Media Temperature	Operating Temperature	Storage Temperature	
	0...50°C, -10...80°C, Customer		-25...85°C	-20...85°C	-40...125°C	
Temperature influence	0.02%F.S./°C					
Electrical connections	Terminals, Customer					
Protection class	IP 67					
Threaded connection	G1/2" M, G1/4" M, M20X1.5, Customer					
Vibration	20g, 20Hz...5kHz					
Shock	100g, 11ms					
Housing material	Low-copper aluminum alloy					
Service life	>1X10 ⁸ Pressure cycles					

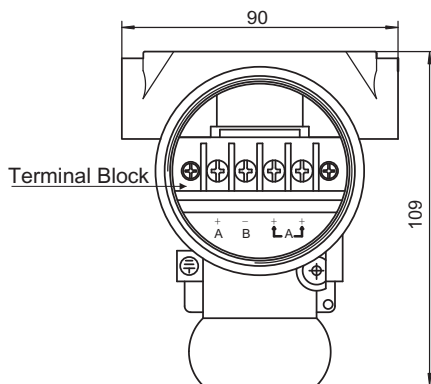
Ordering Code Dimensions



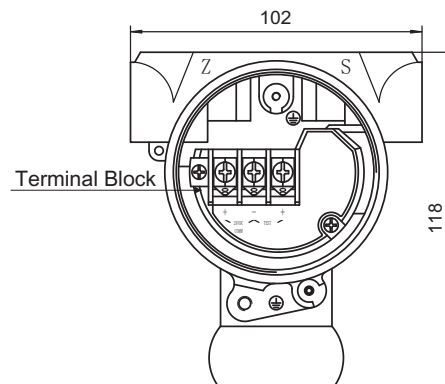
Dimensions (Unit: mm)



Electrical Connection (Unit:mm)



Electrical connection (Without Display) Code: W
(IP 67)



Electrical connection (With LCD) Code: T
(IP 67)

Ordering Code LY8 Series			
Field No.	Code	Specifications	
1.		LY8	Series
2.		G	Pressure Type
		A	Gauge
			Absolute
3.		XXXX	Input (the following table)
			Range
4.		1	Output
		5	4...20mA / 2-wire
		9	1...5VDC / 3-wire
			Customer
5.		2	Accuracy
		5	0.2%
		9	0.5%
			Customer
6.		W	Electronics Housing Type
		T	Electrical connection (Without Display)
		9	Electrical connection (With LCD)
			Customer
7.		S	Explosion proof grade
		X	Standard
		T	Explosion proof Exid IIC T6
			Customer
8.		5	Seals
		1	FKM
		9	Stainless steel welding
			Customer
9.		4	Process Connection Material
		6	304 Stainless steel
		9	316 Stainless steel
			Customer
10.		100	Process Connection
		400	G1/2" M
		M00	G1/4" M
		N00	M20X1.5
		N40	1/2" NPT
		999	1/4" NPT
			Customer
11.		H	Sensor Options (the following table)
		S	Ultra-stable type
			Common type

Ordering Code LY8 Series For Range

Code	Input		Sensor Options	
	Range	Overload	Ultra-stable type(H)	Common type(S)
	Gauge pressure			
G0010	0-10kPa	105kPa	√	×
G0020	0-20kPa	105kPa	√	×
G0035	0-35kPa	105kPa	√	×
G0050	0-50kPa	105kPa	√	×
G0070	0-70kPa	105kPa	√	×
G0100	0-100kPa	150kPa	√	√
G0160	0-160kPa	300kPa	√	√
G0200	0-200kPa	300kPa	√	√
G0250	0-250kPa	525kPa	√	√
G0350	0-350kPa	525kPa	√	√
G0700	0-700kPa	1.05MPa	√	√
G1010	0-1.0MPa	1.5MPa	√	√
G1016	0-1.6MPa	3MPa	√	√
G1020	0-2.0MPa	3MPa	√	√
G1025	0-2.5MPa	5.25MPa	√	√
G1035	0-3.5MPa	5.25MPa	√	√
G1060	0-6.0MPa	10.5MPa	√	√
G1100	0-10MPa	15MPa	√	√
G1200	0-20MPa	30MPa	√	√
G1300	0-30MPa	52.5MPa	√	√
G1400	0-40MPa	105MPa	√	√
G1600	0-60MPa	105MPa	√	√
Absolute pressure				
A0010	0-10kPa	105kPa	√	×
A0020	0-20kPa	105kPa	√	×
A0035	0-35kPa	105kPa	√	×
A0050	0-50kPa	105kPa	√	×
A0070	0-70kPa	105kPa	√	×
A0100	0-100kPa	150kPa	√	√
A0160	0-160kPa	300kPa	√	√
A0200	0-200kPa	300kPa	√	√
A0250	0-250kPa	525kPa	√	√
A0350	0-350kPa	525kPa	√	√
A0700	0-700kPa	1.05MPa	√	√
A1010	0-1.0MPa	1.5MPa	√	√
A1016	0-1.6MPa	3MPa	√	√
A1020	0-2.0MPa	3MPa	√	√
A1025	0-2.5MPa	5.25MPa	√	√
A1035	0-3.5MPa	5.25MPa	√	√
Compound pressure				
C0005	-5-5kPa	105kPa	√	×
C0010	-10-10kPa	105kPa	√	×
C0020	-20-20kPa	105kPa	√	×
C0050	-50-50kPa	150kPa	√	×
C0060	-100-60kPa	300kPa	√	×
C0100	-100-100kPa	300kPa	√	×
C0150	-100-150kPa	525kPa	√	×
C0300	-100-300kPa	1.05MPa	√	×
C0500	-100-500kPa	1.05MPa	√	×
C0900	-100-900kPa	1.5MPa	√	×
C1500	-100kPa-1.5MPa	3MPa	√	×
C2000	-100kPa-2.0MPa	5.25MPa	√	×
9999	Customer	Customer	Customer	Customer