

EYD35 Pressure Transmitter

Applications

- Automobile, compressor and refrigeration Industry
- Engineering machinery
- pressure control and monitor
- Energy and water treatment system
- Armarium, agricultural machinery
- Hydraulic and pneumatic control system
- Iron and steel industry, light industry
- Pump, fitness equipment, household appliances
- Hydraulics and pneumatics
- Liquid level measurement
- Test equipment



Special Features

- Small size easy installation
- Stainless steel case sturdy and durable
- Wide temperature range: -40~125°C
- Durable thin film sensor technology
- Pressure ranges from -1 bar to 60bar
- 0.5-4.5V , 1-5V , 0-5V ratiometric outputs
- 0-10V, 4-20 mA , others available
- Highly resistant to pressure spikes and vibration

Description

EYD35 series pressure transmitters are precision engineered to fit most industrial pressure measurement applications. The compact, rugged design makes these instruments suitable for applications including hydraulics and pneumatics, vacuum, test equipment, liquid level measurement, press control, compressor control, pump protection and numerous other processing and control operations. A wide range of electrical connection and process connection options are available to meet almost any requirement.

This transmitters use MEMS micro machining components, fully sealed structure has the good protection grade, ensures that it can adapt to various working conditions.

The compact case is also made of stainless steel and is available with environmental protection ratings up to IP 65.

Each instrument undergoes extensive quality control testing and calibration to achieve an accuracy.

Each is individually temperature compensated to assure accuracy and long-term stability even when exposed to severe ambient temperature variations. It is manufactured on a fully automated production line to provide large quantities of transmitters with consistent quality and highly competitive pricing.

Custom modifications are available for large quantity requirements.

Specifications

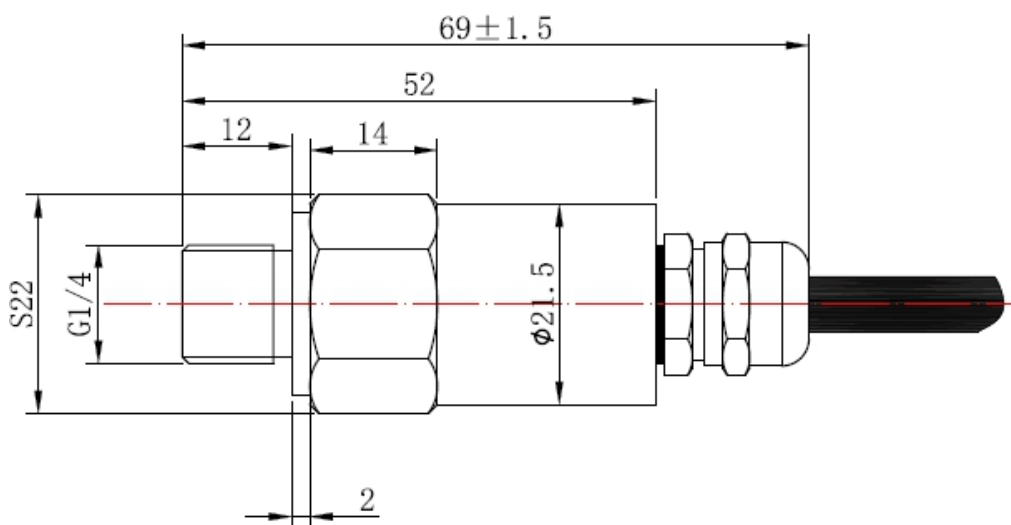
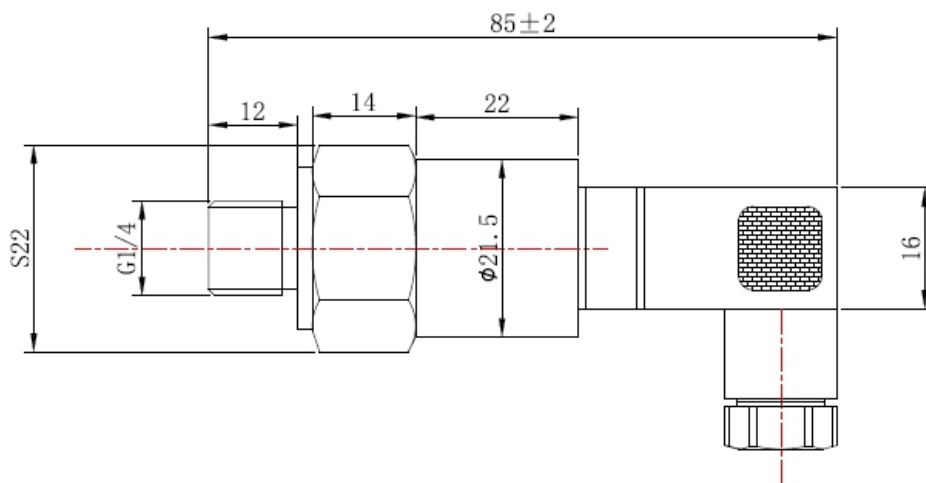
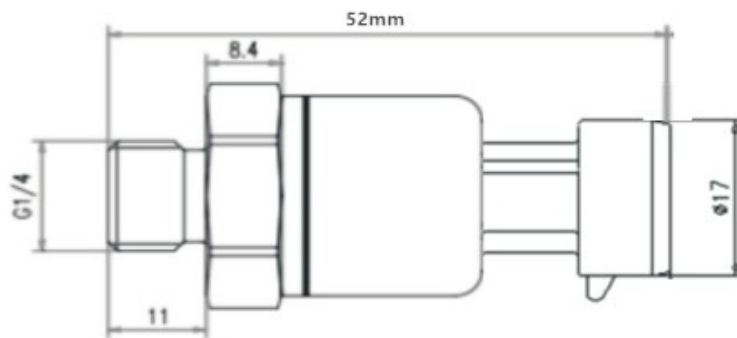
Pressure range	0~ -1bar	1bar	2bar	5bar	10bar	16bar	20bar	25bar	30bar
Maximum pressure*	2bar	2bar	4bar	10bar	20bar	32bar	40bar	50bar	60bar
Burst pressure**	4bar	4bar	8bar	20bar	40bar	64bar	80bar	100bar	120bar
Pressure range	40bar	50bar	60bar						
Maximum pressure*	80bar	100bar	120bar						
Burst pressure**	160bar	200bar	240bar						

*Pressure applied up to the maximum rating will cause no permanent change in specifications but may lead to zero and span shifts

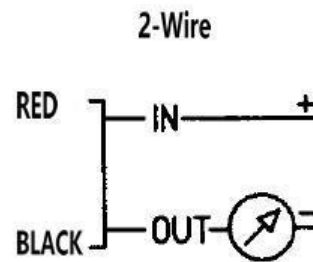
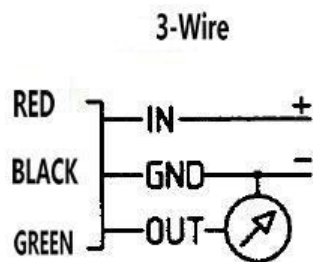
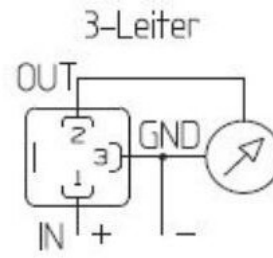
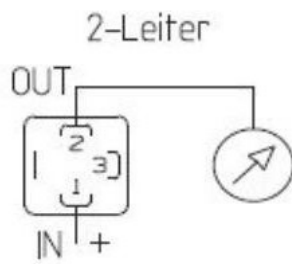
**Exceeding the burst pressure may result in destruction of the transmitter and possible loss of media

Materials	Gas or liquid compatible with ceramic
O-ring	NBR (FKM or EPDM)
Signal output	0.5-4.5V / 1-5V / 0-5V , 3-wire; 0-10V, 3-wire; 4-20mA, 2-wire;
Power supply	5V with signal output 0.5-4.5V / 1-5V / 0-5V, 12...32V with signal output 0...10V, 9...32V with signal output 4...20mA
Response time (10 ... 90 %)	≤2ms
Isolation voltage	DC 500V
Accuracy	≤ 1 % F.S @25°C (Includes linearity, hysteresis and repeatability.) ≤3% F.S@ {-40~125°C} (limit point calibration)
1-year stability	≤ 0.05 % F.S
Permissible temperature of	
Medium	-20...+125°C
Ambient	-40...+100°C
Storage	-40...+100°C
Compensated temperature range	-20...125°C
Mean TC of zero	typical: 0.03%F.S/°C ; maximal: 0.05%F.S/°C
Mean TC of range	typical: 0.03%F.S/°C ; maximal: 0.1%F.S/°C
CE - conformity	
Test Standard	EN 55022:2010/AC:2011 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55024:2010
EMC directive	2014/30/EU
Shock resistance	1000g according to IEC 60068-2-27 (mechanical shock)
Vibration resistance	20g according to IEC 60068-2-6 (vibration under resonance)
Wiring protection	Protected against reverse polarity, overvoltage and short circuit
Weight	70g
Connection	G1/4 (NPT1/4, G1/4 and others available)

Dimension



Wiring



Model Selecion Guide

Model	EYD35									
	Range	K:0~X kPa P: PSI, K: kPa, B: bar, M:MPa, m:mH2O								
	Accuracy	1: 1%FS; 2: 0.5%FS; 3: 0.25%FS;								
	Output	M:mV, V1:0.5-4.5V; V2:0-5V; V3:0-10V; A:4-20mA; S:RS485 S0: 其他								
	Power	P1:5VDC, P2:12-32VDC P0: other								
	Connection	N1: NPT1/8; N2: NPT1/4; NPT1/2; G1:G1/8 ; G2:G1/4; G3:G1/2; M0:other								
	Wiring	W1:Cable, W2:Min-Din, W3:Parkard ,W4:M12								
	Temperature	T1: -20~125°C; T0:other								
EYD35	10b	2	A	P2	M1	W2	T1			Factory code