

## EYD37 High Pressure Pressure Transmitter

### Description:

EYD37 high pressure pressure transmitter is all stainless steel structure, with high-precision pressure core and sophisticated compensation technology, a strong earthquake, impact resistance and long-term stability, easy installation, a wide range of features, and there are different interfaces and signal thread output, and with optional on-site display meter, to meet our customers' needs. The products are widely used in industrial equipment, water supply, medical equipment, process control and other fields.

### Basic parameters:

Range: Optional between 60MPa ~ 800MPa

Accuracy: 0.25% FS, 0.5% FS, 1.0% FS

Load capacity: current- $\leq 500\Omega$

Compensation temperature: 0-85 ° C

Working temperature: -20-120 ° C

Safety overload: 150%

Ultimate Overload: 200%

Temperature drift: 0.02% FS / ° C

Long-term stability: 0.2% FS / Year

### Electrical parameters:

1. Output: current 2-wire: 4 ~ 20mA

2. 3-wire voltage: 0 ~ 5V; 0 ~ 10V; 1 ~ 5V; 1 ~ 10V

3. Supply voltage: DC24V (12 ~ 32VDC, less may contact)

4. Load capacity: current output:  $\leq 500\Omega$

5. Voltage output:  $\leq 250\Omega$  output impedance

6. Electrical connection: Standard for HE Mann, optional direct outlet or custom

### Materials:

1. Wetted parts: 316L stainless steel

2. Shell: 304

3. Seals: Viton, optional: EPDM, NBR

4. Diaphragm: 316L stainless steel

### Other specifications:

1. Process connection: M20 × 1.5 external thread (standard) (optional other connections)

2. Material: 316L stainless steel wetted materials; Shell: 304

3. Protection class: IP 65

4. Medium temperature: -30 ~ 80 °C
5. Ambient temperature: -40 ~ 80 °C
6. Storage temperature: -40 ~ 100 °C
7. Earthquake: 108 RMS (25 ~ 2000HZ)
8. Ex: Ex ia IIC T6 intrinsically safe
9. Current Limit: The maximum current-24mA; voltage-largest 5mA
10. Installation position: vertical installation is recommended, as there will be other installation extremely slight zero offset

#### Features:

1. Digital ASIC, accuracy and stability
2. Drift affect small
3. Excellent long-term stability
4. Excellent anti-jamming capability
5. Over voltage over current protection, reverse polarity protection
6. Excellent selection of imported sensors core

#### Applications:

Industrial field pressure control process, supporting the automotive, central air conditioning, refrigeration equipment, water treatment works, environmental purification, hydraulic and pneumatic control, aerospace, petrochemical industry, food industry, medical equipment, marine and shipbuilding industry, water conservancy, hydropower , power plants and other industries. almost can be used in various industrial fields, suitable for all stainless steel, 316L compatible media, and by choosing different seals to be compatible with more media. Different pressure and electrical connections can be selected.

#### Ordering information

EYD37XX						
	Pressure range	60. . . 800MPa				
	(0-X)KP Or MPa	X:Measurement range				
		Code	Power supply			
		D1	24VDC			
		D2	5VDC			
		D3	Others			
			Code	Output signal		
			S1	4~20mADC	S5	0~20mADC
			S2	1~5VDC	S6	0~10VDC
			S3	0~5VDC	S7	0.5~4.5VDC
			S4	0~10mADC		
			Code	Pressure Port		
			J1	M20×1.5 male		
			J2	G1/2 male		
			J3	G1/4 male		
			J4	7/16-20UNF Female		
			J5	Others (Such as $\varnothing$ 50.4flange)		
				Code	Electrical connection	
				B1	Big Din	
				B2	PG7 PIN	
				B3	Cable with 1.5 meter	
				B4	2088 industry housing	
				B5	2088 housing with LED	
				B6	others	
					code	Pressure type
					G	Gauge
					A	Absolute pressure
					S	Sealed pressure