

EYD-32 series

Digital Pressure Transmitters



Description

EYD32 series digital pressure transmitter has two options of LED and LCD, with stable display and high display brightness. It has a built-in microprocessor and can be programmed by two buttons to realize the adjustment of zero point, full scale, decimal point, display rate and control point. setting without any potentiometer adjustment. No external power supply is required, and it only needs to be connected in series in the circuit under test to accurately display the 4-20mA signal in the circuit under test. Highlight 0.36-inch LCD display or three-and-a-half LED display, fully intelligent working mode. Support user self-calibration and nonlinear correction of displayed values.

Features

- User self-calibration through two-button programming
- Drift affect small
- Excellent long-term stability
- High overloading
- Excellent anti-jamming capability
- Overvoltage overcurrent protection, reverse polarity protection

Application

- Compressor and water pump
- Constant pressure or building water supply
- Engineering or industrial process control and monitor machinery
- Environmental protection in Steel industry
- Medical or agricultural testing machinery
- Flow measure equipment
- Hydraulic and pneumatic control system
- Internal combustion engine, locomotive brake system, test stand

Specifications

Technical indicators:	
Media:	Oil, water, gas and compatible with 316L stainless steel
Pressure:	-0.1MPa ~ 0 ~ 100MPa
Overload:	2 times (10MPa or less); 1.5 times (10MPa or more)
Accuracy:	$\pm 0.1\% \text{ FS}$, $\pm 0.2\% \text{ FS}$, $\pm 0.5\% \text{ FS}$, $\pm 1\% \text{ FS}$
Nonlinear:	$<\pm 0.2\% \text{ FS}$
Hysteresis and repeatability:	$\leq \pm 0.1\% \text{ FS}$
Long-term stability:	$\leq \pm 0.1\% \text{ FS / year}$
Zero drift:	$\leq \pm 0.02\% \text{ FS / } ^\circ\text{C}$
Response time:	$\leq 500\text{ms}$ (standard)

Electrical parameters:

Output:	Current 2-wire: 4 ~ 20mA Option:RS 485
Supply voltage:	DC24V (12 ~ 32VDC, less may contact)
Load capacity:	current output: $\leq 500\Omega$
Voltage output:	$\leq 250\Omega$ output impedance
Electrical connection:	Hirschmann

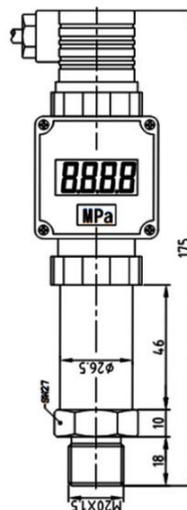
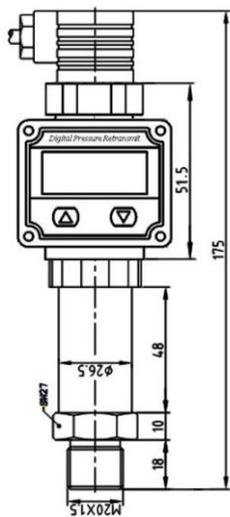
Materials:

Wetted parts:	316L stainless steel
Shell:	304
Seals:	Viton, optional: EPDM, NBR
Diaphragm:	316L stainless steel

Other specifications:

Process connection:	M20 \times 1.5 external thread (standard) (optional otherconnections)
Material:	316L stainless steel wetted materials; Shell: 304
Protection class:	IP 65
Medium temperature:	-30 ~ 80 $^\circ\text{C}$
Ambient temperature:	-40 ~ 80 $^\circ\text{C}$
Storage temperature:	-40 ~ 100 $^\circ\text{C}$
Display type:	Three and a half LED display 0000-1999 0.36 inch LCDdisplay -1999-9999
Certification:	CE

Dimensions



Product model

Model	EYD-32						
Range	K:0...X kPa; P: PSI; K: kPa,; B: bar; M:MPa; m: mH2O						
Pressure Type	1.G: gauge pressure A: absolute pressure						
	Precision	1: 0.25%FS2: 0.5%FS; 3: 0.1					
	Display type	E: LED C:LCD					
		Output	A:4-20mA R:RS485				
	Interface	G1: G1 / 2; G2:G1 / 4;O:other					
EYD-32	100P	1	G	1	E	A	G1

Selection tips:

1. The tested medium should be compatible with the materials in contact with the product.
2. For other special requirements, please consult us and indicate what you need in the orders.