

Explosion Proof High-Precision Differential Pressure Transmitter Model: ZJX-PA-DP-2



PRODUCT FEATURES AND APPLICATION FIELDS

Description:

The ZJX-PA-DP-2 explosion proof high-precision differential pressure transmitter adopts a single crystal silicon sensor chip and a double beam suspension design, achieving high accuracy, high overvoltage, and high stability performance. It is embedded with an intelligent signal processing module, achieving an effective combination of static pressure and temperature compensation.

Advantages:

Can simultaneously measure the pressure, liquid level, or density of liquids, gases, and vapors

Adopting full fusion welding and rigid sealing structure

Local zero and full point calibration functions, as well as built-in positive and negative transfer function

Adopting a concave arc overload protection structure

Integrate high sensitivity components to effectively solve thermal drift

Support OEM/ODM customization

Application:

Hazardous explosion-proof areas

Oil and gas

Environmental/Pharmaceutical

Chemical/Paper Industry

Sewage disposal/HVAC

Printing and dyeing/electricity

Steel/Building Materials

Plastic/chemical fiber

Features:

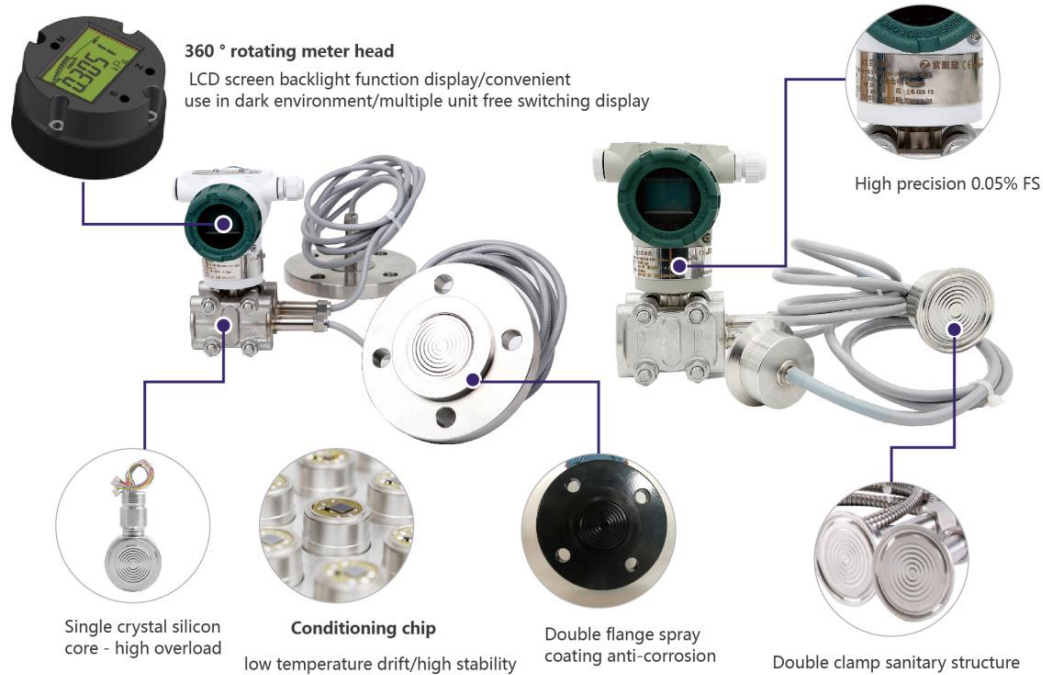
Configure the HART communication protocol for FSK technology

The HART communication protocol can communicate with the control system or manual operator

Accuracy: $\pm 0.075\%$, adjustable range greater than 10:1

Fast response speed, small error, and strong anti-interference performance

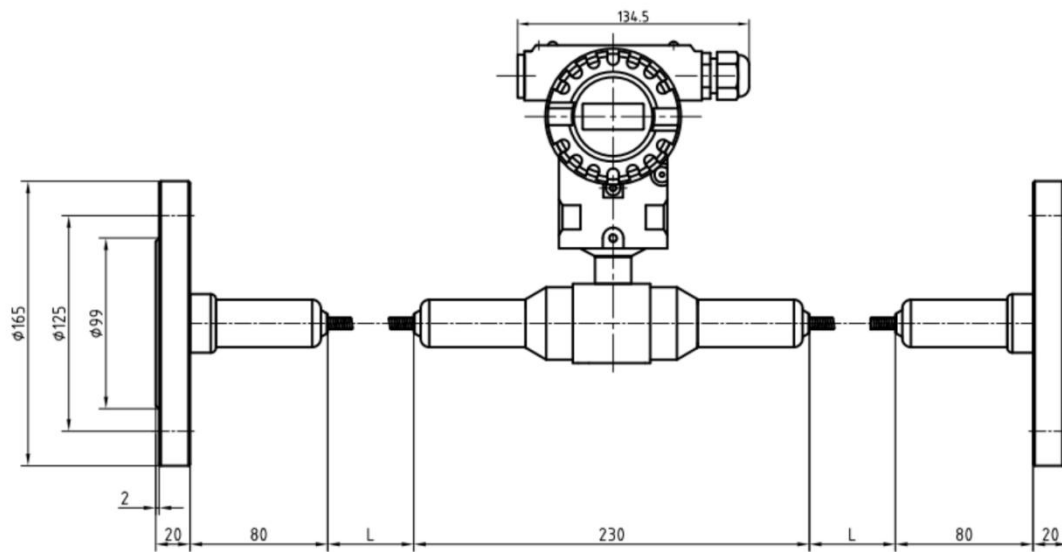
Isolation diaphragm structure, various anti-corrosion materials available for selection



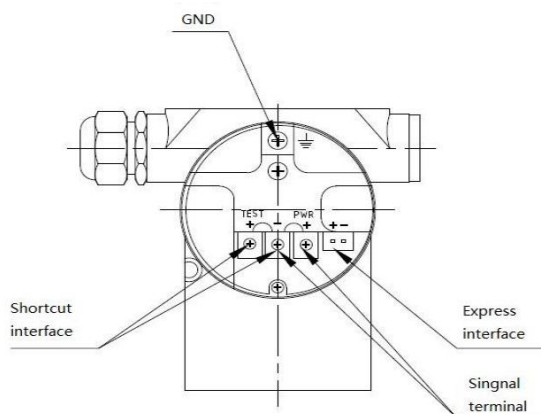
PRODUCT PARAMETERS

Measurement Method	Differential Pressure, Liquid Height
Measurement Range (Non migration)	0~1KPa~2MPa
Accuracy	+/-0.1%
Wetted Parts Material	SS316L, Hastelloy C, Tantalum, Titanium
Output/Communication	2-wire 4-20mA, HART communication optional, linear output or square root output available
Ambient Temperature Limited	Lowest: depending on the filled liquid Highest: 85℃ -20~65℃ (with LCD display, fluorine rubber O-ring)
Temperature Limited	-30~400℃
Protection Grade	IP67
Electrical Connector	M20*1.5 cable sealing buckle, terminal suitable for 0.5-2.5mm ² cable
Process Connector	7/16 female at the low pressure, compatible with ANSI or DIN at high pressure. Directly install.

OVERALL DIMENSIONS



PRODUCT CONNECTION MODE



PIN	2-wire	3-wire
PWR+	P+	P+
PWR-	P-	P-
TEST+		S-

PRODUCT SELECTION TABLE

Code											
ZJX-PA-DP-2	Explosion Proof High-Precision Differential Pressure Transmitter										
	Code	Mounting Dimensions									
	S1	1.5"clamp									
	S2	2"clamp									
	S3	Customized									
	Code	Range (KPa)									
	R1	1-6									
	R2	6-40									
	R3	40-250									
	R4	250-4000									
	Code	Output/Communication									
	O1	4-20mA									
	O2	4-20mA+Hart									
	Code	Digital Display									
	D1	LCD									
	D2	OLED (Low temperature resistance-40°)									
	Code	Structur Material									
		Chuck	Code	Diaphragm	Code	Coating					
	04	304SS	D1	316LSS	C0	None					
	16	316SS	D2	Hastelloy C	C1	PTFE					
			D3	Monel alloy							
			D4	Tantalum							
			D5	Titanium							
			D6	PTFE spray							
	Code	Capillary Length (m)									
	C1	1M									
	C2	2M									
	C3	3M									
	C4	Customized									
	Code	Mounting Bracket									
	B1	Without mounting bracket									
	B2	Pipe bending bracket									
	B3	Plate mounted bending bracket									
	B4	Pipe mounted flat bracket									
	Code	Hazardous Location Certification									
	H0	No explosion-proof									
	H1	Ex db IIC T6 Gb									
	H2	Ex ia IIC T6 Ga									
	Code	Electrical Connections									
	L	M20X1.5									
	C	Customizable									
ZJX-PA-DP-2	S1	R2	O2	D1	16D1C0	C2	B1	H2	L	Model No.Example	


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