



An overview of the

PD60 intelligent pressure transmitter is a kind of field intelligent pressure instrument with HART communication function based on micro displacement capacitance sensor technology. Its key raw materials and parts are imported, advanced design principles, complete varieties and specifications, easy to install and use. Through the handheld communicator or other hosts using HART protocol can be in the control room, transmitter site to realize the query, configuration or adjustment. According to the way of use can do pressure, flow, liquid level measurement.

The main features

- ◆ High precision, good stability
- ◆ Suitable for differential pressure, gauge pressure, absolute pressure and other inputs
- ◆ Solid element, plug type printed circuit board
- ◆ Small, light weight, strong and vibration resistant
- ◆ External continuous adjustable range and zero point
- ◆ Adjustable damping and good unidirectional overload protection
- ◆ No mechanical movable parts, less maintenance workload
- ◆ The whole series of unified structure, strong interchangeability of parts
- ◆ The diaphragm material in contact with the medium is optional
- ◆ The diaphragm is available in 316L, TAN, HAS-C and MONEL corrosion resistant materials
- ◆ Intelligent HART fieldbus protocol

Technical indicators

Using the object	A liquid, gas, or vapor	0~0.1kPa to 0~42000kPa
Measuring range	Gage pressure	0~0.1kPa to 0~7000kPa
	Differential pressure	0~6kPa to 0~7000kPa
	Absolute pressure	
The output	4~20mADC, intelligent HART fieldbus protocol signal output	
The power supply	24VDC, can work at 12VDC (with LCD display minimum 15VDC), maximum 45VDC	
Temperature range	-40 ~ + 85	
Humidity range	5~95%(relative humidity)	
indicator	Number of display	
Comprehensive precision	Adjust range ± 0.1%, ± 0.2%	
The stability of	Do not exceed transmitter accuracy within six months	
Shell protection class	IP65	
The weight of the	3.9kg(excluding options, except transmitters with flanges)	

The selection

spectrum	instructions				
PD60	Intelligent pressure transmitter				
Pressure type	GP	pressure 0~0.6KPa~40000KPa			
	AP	Absolute pressure 0~4KPa~7000KPa			
	DP	Differential pressure 0~0.6KPa~7000KPa			
	DR	Micro differential pressure 0~0.1kPa~1.6KPa			
Measuring range	2	0~0.1KPa~1.6KPa Differential pressure is applicable			
	3	0~0.6KPa~6KPa			
	4	0~4KPa~40KPa			
	5	0~20KPa~200KPa			
	6	0~70KPa~700KPa			
	7	0~200KPa~2000KPa			
	8	0~700KPa~7000KPa			
	9	0~2000KPa~20000KPa			
	0	0~4200KPa~40000KPa			
Output signal type	E	4~20mA standard current signal output			
	S	Intelligent HART fieldbus protocol signal output			
Structural materials	Code name	Flange joint	Exhaust/drain valve	Isolation diaphragm	Pump the liquid
	22	316 Stainless steel	316 Stainless steel	316 Stainless steel	Silicone oil
	23	316 Stainless steel	316 Stainless steel	Hastelloy C	
	24	316 Stainless steel	316 Stainless steel	monel	
	25	316 Stainless steel	316 Stainless steel	tantalum	
	33	Hastelloy C	Hastelloy C	Hastelloy C	
Maximum working pressure	A-	1MPa			
	B-	4MPa			
	C-	10MPa			
	D-	14MPa			
Option to	M3	Digital liquid crystal display head			
	B1	Tubular bent bracket			
	B2	Plate mounted bending bracket			
	B3	Pipe mounted flat bracket			
	C1	14 pressure pipe is welded at the back of 1/2NPT pressure transition interface			
	C2	T-shaped thread joint M20×1.5			