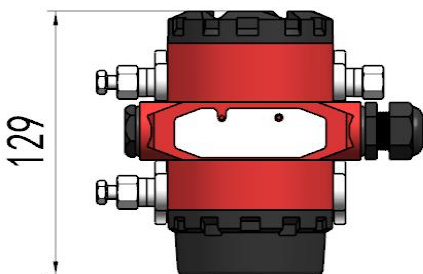
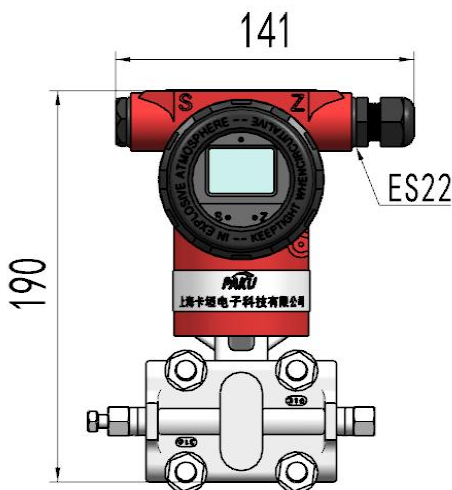




dimension figure



principle and characteristics

PN52 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 principle, complete product specifications, easy to install and use. It can be queried, configured or tuned in the control room or on the transmitter site through handheld communicators or other hosts using HART protocol. Pressure, flow and liquid level can be measured according to the way of use.

Main features

- ◆ High precision and good stability
- ◆ Suitable for differential pressure, gauge pressure, absolute pressure and other inputs
- ◆ Fixed element, plug – in printed circuit board
- ◆ Small, light weight, strong vibration resistance
- ◆ Range, zero external continuous adjustable
- ◆ Adjustable damping, good unidirectional overload protection
- ◆ No mechanical moving parts, less maintenance work
- ◆ Unified structure of the whole series, strong interchangeability of parts
- ◆ Diaphragm material for contact medium is optional
- ◆ Diaphragm optional 316L, TAN, HAS-C, MONEL and other corrosion resistant materials
- ◆ Intelligent HART Fieldbus Protocol

technical specification

Use object	A liquid, gas, or vapor	
measuring range	gage pressure	0–0.1 kpa to 0–42000 kpa
	differential pressure	0–0.1 kpa to 0–7000 kpa
	absolute pressure	0 to 6 kpa to 0–7000 kpa
output	4–20mA DC, intelligent HART fieldbus protocol signal output	
power supply	24VDC, can work at 12VDC (with LCD display minimum 15VDC),	
temperature range	–40°C~+85°C	
humidity range	5~95%(relative humidity)	
instruction sheet	SVC–E	
Combined error	Adjust the range of ± 0.1%, ± 0.2%	
stability	Do not exceed transmitter accuracy within one year	
enclosure protection class	IP65	
weight	3.9kg(excluding options, except for flanged transmitters)	

Selection table

spectrum	Description				
PN52	Intelligent Pressure Transmitter				
Datum	Pressure	GP	0 ~ 0.6 kpa to 40000 kpa pressure		
		AP	Certainly press 0 ~ 4 kpa to 7000 kpa		
		DP	The differential 0 ~ 0.6 kpa to 7000 kpa		
		DR	Micro differential pressure 0 ~ 0.1 kpa ~ 1.6 kpa		
measuring range		2	Applicable to 0~ 0.1kPa – 1.6kPa differential pressure		
		3	0~0.6kpa–6kpa		
		4	0~4kpa–40kpa		
		5	0~20kpa–200kpa		
		6	0~70kpa–700kpa		
		7	0~160kpa–1000kpa		
		8	0~200kpa–2000kpa		
		9	0~400kpa–2500kpa		
		10	0~700kpa–7000kpa		
		11	0~2000kpa–20000kpa		
		12	0~4200kpa–40000kpa		
			Special range		
Output signal type		E	4~20mA standard current signal output		
		S	Intelligent HART fieldbus protocol signal output		
structural material	code	flanged joint	Vent/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	
	24	316 stainless steel	316 stainless steel	monel	
	25	316 stainless steel	316 stainless steel	tantalum	
	33	Hastelloy	Hastelloy	Hastelloy	
Maximum working pressure (MPa)	A-	1MPa			
	B-	4MPa			
	C-	10MPa			
	D-	40MPa			
option	M3	Digital LCD display header			
	B1	Pipe mounting bending support			
	B2	Plate mounted bending support			
	B3	Pipe mounted flat bracket			
	C1	1/4NPT			
	C2	T-thread joint M20x1.5			
	C3	Weld 14 pressure tubes at the back of 1/2NPT pressure transition joint			
	A	standard form			
	B	flame-proof type			
	C	intrinsic safety type			

* When ordering, please indicate the factory range. If not, please leave the factory according to the highest rated range. Structural material 22 is the standard configuration

* 选型表仅供技术选型，出厂型号对应选型型号以编码体现。