PI

Pressure Transmitter

Pressure transmitter is the most commonly used in industrial production of a sensor, It is widely used in various industrial control environment, involved in water conservancy and hydropower, railway transportation, intelligent buildings, production control, aerospace, military industry, petrochemical, oil, electric power, ships, machine tools, pipe and so on industry.

Pressure transmitter is mainly ceramic piezoresistive pressure transmitter, capacitance pressure transmitter, diffusion silicon pressure transmitter, strain type pressure transmitter, pressure transmitter, sapphire sputtering film pressure transmitter, etc.,

Product type

High-temp health Pressure Transmitter

Intelligent Static pressure

High-temp Intelligent

Flange Static pressure

High-temp health Pressure Transmitter

Economical Differential pressure

Differential pressure Pressure Transmitter

Single Flange differential pressure

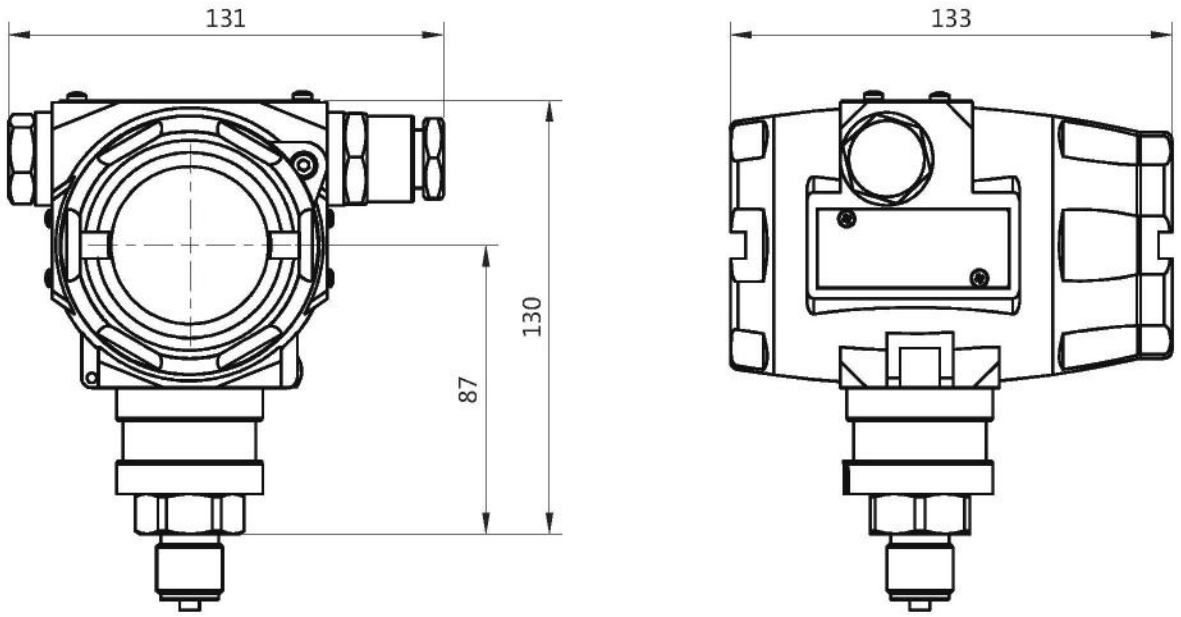
Dual Flange Differential pressure

Plug-in health Pressure Transmitter

Throw-in Pressure Transmitter

Throw-in Straight line

PI 2 type Standard Pressure Transmitter

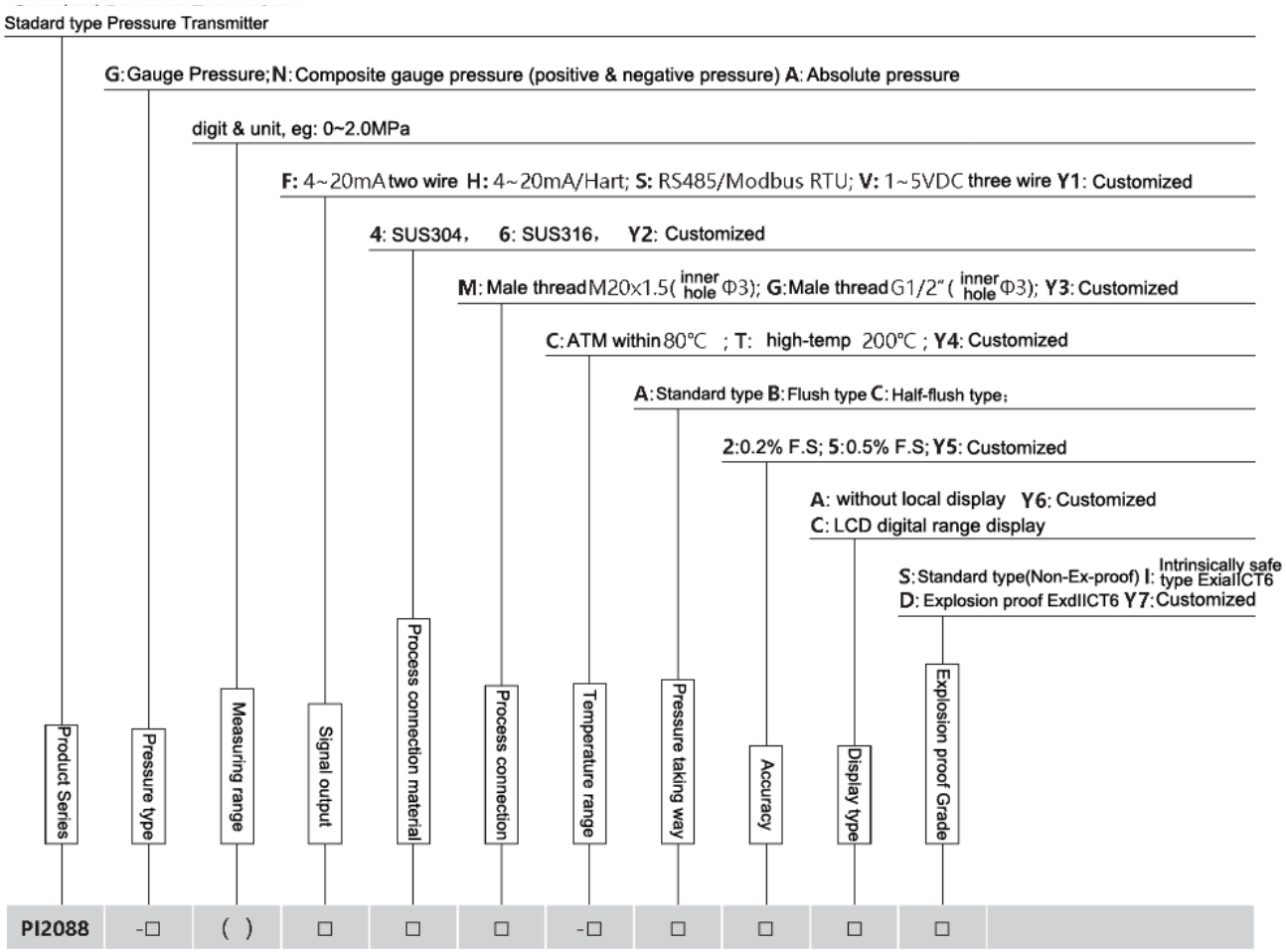


PI2088

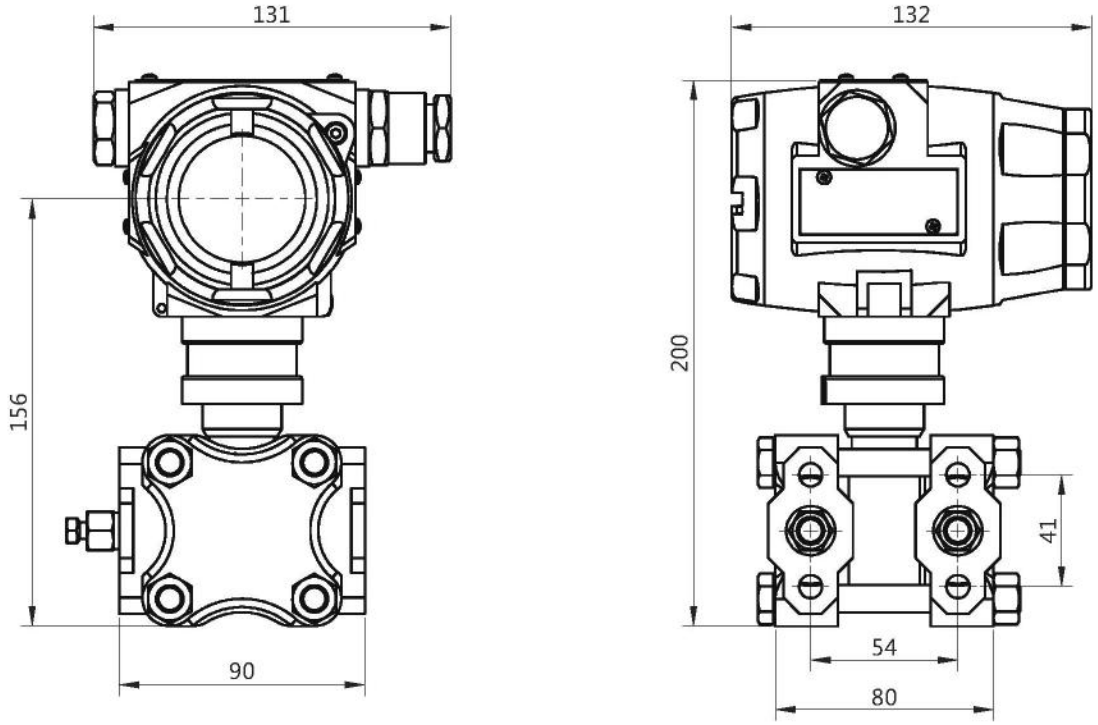
Main technical parameters

Measurement range	Positive pressure		Negative pressure		Absolute pressure	
	Min range	Max range	Min range	Max range	Min range	Max range
	5KPa	70MPa	-5KPa	-100KPa	10KPa	3.5MPa
Accuracy	0.2%F.S. , 0.5%F.S.					
Power supply	12 ~ 30VDC , 24VDC					
Output signal	4 ~ 20mA , 0 ~ 20mA , 1 ~ 5VDC , 0 ~ 10VDC , 0 ~ 5VDC , Customizable					
Temperature range	Compensation Temperature		Medium Temperature	Operating Temperature	Storage Temperature	
	0 ~ 50℃ , -10 ~ 80℃ , Customizable		-25 ~ 85℃	-20 ~ 85℃	-40 ~ 125℃	
Temperature drift	0.02%F.S./℃					
Electrical connection	Terminals , Customizable					
Protection class	IP67					
Thread connection	M20×1.5 (M) , G1/2" (M)、G1/4" (M) , Customizable					
Anti-vibration	20g , 20 ~ 5000Hz					
Anti-shock	100g , 11ms					
Housing material	Aluminum alloy					
Operational life	> 1×10^8 Pressure Cycling					

PI2 type Standard Pressure Transmitter Selection table



P13 type Standard Differential pressure Transmitter

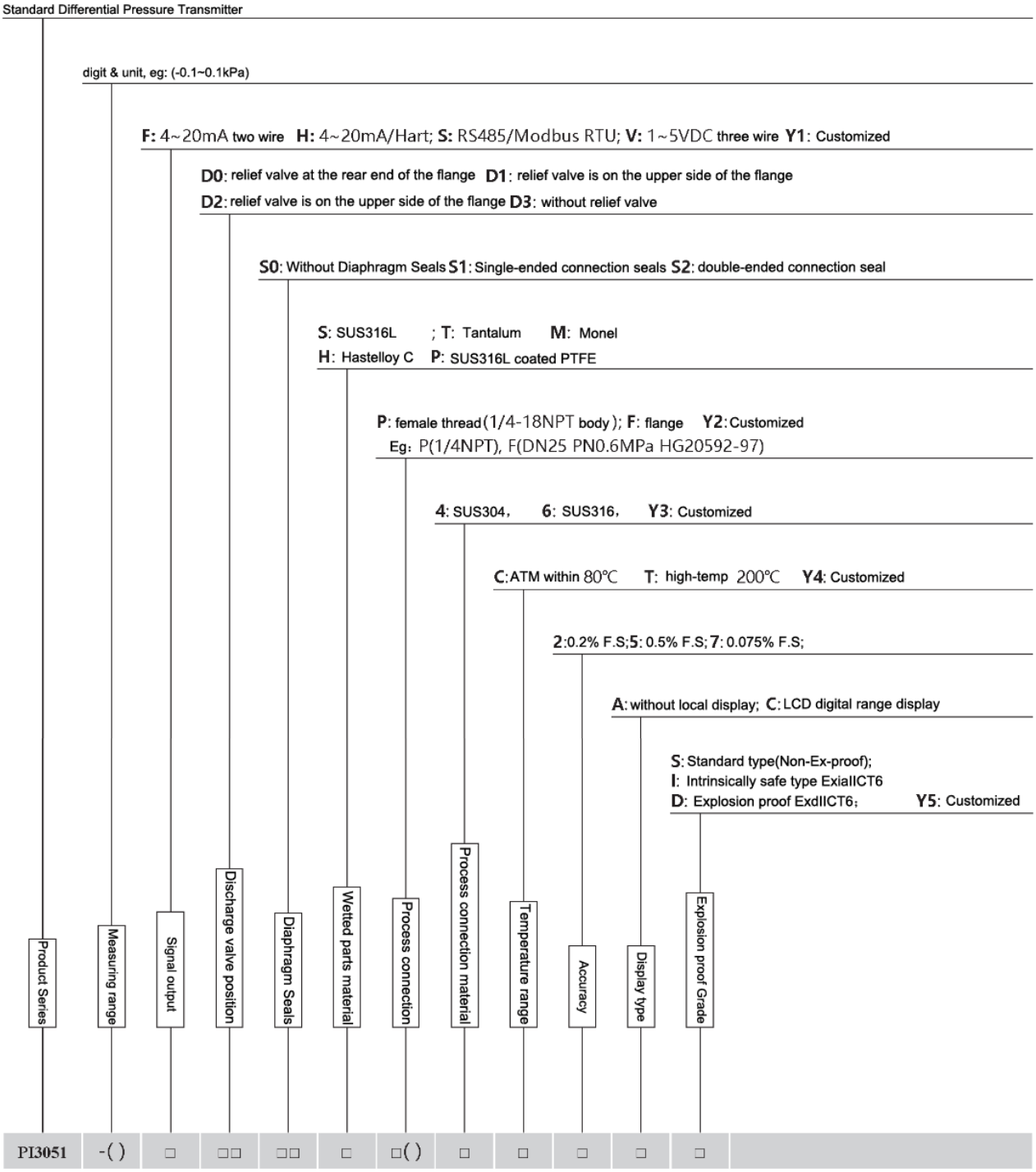


PI3051

Main technical parameters

Measurement range	Positive pressure		Negative pressure		Absolute pressure	
	Min range	Max range	Min range	Max range	Min range	Max range
	200Pa	10MPa	-200Pa	-10MPa	20KPa	6.8MPa
Accuracy	0.075%F.S. , 0.2%F.S. , 0.5%F.S.					
Power supply	13 ~ 45VDC , 24VDC					
Output signal	4 ~ 20mA , 4 ~ 20mA/HART , Customizable					
Temperature range	Compensation Temperature		Medium Temperature	Operating Temperature	Storage Temperature	
	0 ~ 50℃ , -10 ~ 80℃ , Customizable		-25 ~ 85℃	-20 ~ 85℃	-40 ~ 125℃	
Temperature drift	0.02%F.S./℃					
Electrical connection	Terminals					
Protection class	IP67					
Thread connection	M20×1.5 (M) , 1/2"NPT (F)、1/4"NPT (F) , Customizable					
Anti-vibration	20g , 20 ~ 5000Hz					
Anti-shock	100g , 11ms					
Housing material	Aluminum alloy					
Operational life	> 1×10^8 Pressure Cycling					

P13 type Standard Differential pressure Transmitter Selection table



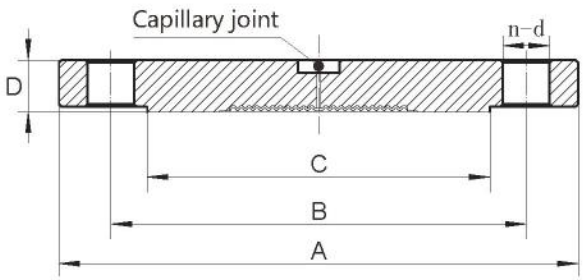
Note: diaphragm type, size, choice of parameters in turn.

RFW Diaphragm Seal with flange Connection

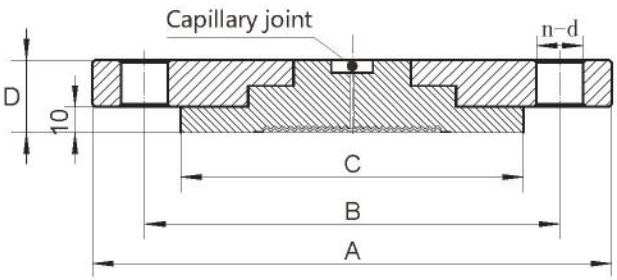
Description & Features: :

- Connected with pressure and differential pressure transmitter,made up of diaphragm measurement systems.
- Flange with a flush welded diaphragm with contoured diaphragm bed.
- Available for all common standards and nominal diameters
- Suitable for aggressive, highly viscous, crystallizing or hot media
- Used for pressure, differential pressure, level, flow,interface and density measurement

Structural drawing



Fixed type



Removable type

The flange size

Nominal diameter (DN)	Nominal pressure (MPa)	Raised face diameter C	Outter diameter A	Thickness D	Drill holes center distance B	Number of drill hole n	Drill holes diameter d	Description
DN25	1	65	115	16	85	4	14	the thickness of removable flange is D+8mm
	2	65	115	16	85	4	14	
DN40	1	84	150	18	110	4	14	
	2	84	150	18	110	4	14	
DN50	1	99	165	20	125	4	14	
	2	99	165	20	125	4	14	
DN80	1	132	200	20	160	8	18	
	2	132	200	24	160	8	18	