

Product features

- Output signal: Two-wire system 4~20mA;
- Power supply: 12~45VDC;
- Power supply effect: <0.005%/V;
- Startup time: < 2s without preheating;
- Protection characteristics: IP65;
- Load effect: No load effect when the power supply is stable;
- Influence of vibration: $\pm 0.05\%/g$ in case of 200Hz vibration in any direction;
- Anti-explosion type: Flame-proof type ExdIIBT4, intrinsic safety type ExiaIICT4;
- Measurement accuracy: $\pm 0.2\%$, $\pm 0.25\%$ and $\pm 0.5\%$ of calibration range (if the standard precision is $\pm 0.5\%$, other precision chosen shall be indicated at the time of ordering goods and model selection.);
- Transfer characteristic: Maximum positive transfer is 500% and maximum negative transfer is 600%;
 - * The absolute value of negative transfer isn't greater than one technical atmosphere.
 - * The absolute value of the upper or lower limit after transfer shall not exceed the upper limit of maximum measurement scope;
 - * The negative transfer of the absolute pressure transmitter is forbidden;
- Damping: Generally adjustable within 0.2~1.67s. The time constant will increase in case of filling with inert liquid or being with remote transmission device;
- Working environment: Ambient temperature: -29~93°C (analogue amplifier), -29~65°C (with display meter head), ambient humidity: 0~95%;
- Influence of static pressure: Zero error: $\pm 0.5\%$ Maximum range limit. As for 32MPa, the correction can be conducted by zero setting under the pipeline pressure;
- Effect of electromagnetic radiation: 0.05% maximum range, received radiation frequency: 27~500MHz, test field strength: 3V/m;
- Mounting position: The diaphragm isn't subject to vertical installation and the zero error of less than 0.24KPa may be produced, but can be removed by zero setting.



Product model selection

PTC-AP	Absolute pressure transmitter			
	Measuring range			
	4	5	6	
	0-4~40KPa	0-40~200KPa	0-160~700KPa	
	7	8	9	0
	0-0.4~2.0MPa	0-1.6~7.0MPa	0-4~20MPa	0-4.0~40MPa
	Output			
	E Non-intelligent type (4~20mA)			
	S Intelligent type (Hart protocol+4~mA)			
	J Intelligent square-root output (Hart protocol+4~mA)			
	Structure material			
	22 Flange joint/blow-down valve/isolation diaphragm/filling liquid: 316/316/316L/silicone oil			
	23 Flange joint/blow-down valve/isolation diaphragm/filling liquid: 316/316/hastelloy C/silicone oil			
	24 Flange joint/blow-down valve/isolation diaphragm/filling liquid: 316/316/monel/silicone oil			
	25 Flange joint/blow-down valve/isolation diaphragm/filling liquid: 316/316/tantalum/silicone oil			
	33 Flange joint/blow-down valve/isolation diaphragm/filling liquid: Hastelloy C/ hastelloy C/ hastelloy C/silicone oil			
	34 Flange joint/blow-down valve/isolation diaphragm/filling liquid: Hastelloy C/ hastelloy C/ hastelloy C/silicone oil			
	35 Flange joint/blow-down valve/isolation diaphragm/filling liquid: Hastelloy C/ hastelloy C/tantalum/silicone oil			
	44 Flange joint/blow-down valve/isolation diaphragm/filling liquid: Monel/monel/monel/silicone oil			
	Static pressure			
	F 32Mpa			
	Additional function/optional			
	M1 0-100% linear dial indicator			
	M2 LED displayer meter			
	M3 LED display meter			
	B1 Tube bending mounting plate			
	B2 Plate bending mounting plate			
	B3 Tube flat mounting plate			
	C0 1/2-14NPT taper pipe female adapter			
	C1 1/2-14NPT lead pressure joint back welding connecting tube			
	C2 T-square threaded connector M20X1.5			
	E Flame-proof type DIIIBT4			
	D Intrinsic safety type IAIICT6			
PTC-AP				