

## Product features



- Reference accuracy Digital and intelligent:  $\pm 0.2\%$  calibration range;
- Stability: Digital and intelligent: 6 months,  $\pm 0.2\%$  URL;
- Ambient temperature limits:  $-40$  to  $85^{\circ}\text{C}$ ;
- Process temperature limit:  $-40^{\circ}\text{C}$  to  $104^{\circ}\text{C}$ .
- Storage temperature limit:  $-51$  to  $85^{\circ}\text{C}$ ;
- Ambient humidity: 0-100% relative humidity;
- Effect of ambient temperature:  $\pm 0.2\%$  URL/ $56^{\circ}\text{C}$ ;
- Overall error:  $\pm(0.2\%$  URL $+0.18\%$  calibration range)/ $56^{\circ}\text{C}$ ;
- Zero error:  $\pm 0.5\%$  URL/ $56^{\circ}\text{C}$ ;
- Overall error:  $\pm(0.5\%$  URL $+0.5\%$  calibration range) / $56^{\circ}\text{C}$ ;
- Influence of static pressure: The zero error is  $\pm 0.5\%$  URL;
- Influence of vibration: The vibration effect under 200Hz is  $\pm 0.5\%$  URL/g;
- Power supply effect: Less than  $\pm 0.005\%$  output range/volt;
- Mounting position influence: The zero drift is no more than  $\pm 0.25\text{kPa}$ ;
- Measuring range: Differential pressure: 0-0.125~1.5KPa, static pressure: 1, 4 and 6.9MPa;
- Zero and measuring range: Adjustment with local range and zero button or remote adjustment with HART manual actuator;
- Zero positive and negative transfer: At the moment of zero negative transfer, the lower limit of measuring range must be more than or equal to -URL. At the time of zero positive transfer, the upper limit of measuring range must be less than or equal to +URL. The calibration range is no less than the minimum measuring range;
- Output: 4~20mA DC. The user can choose linear or square root output. The digital process variables are superimposed on 4 ~ 20mA DC signal and can be used for the upper computer with HART protocol used;
- Static pressure and overpressure limits: No damage will be incurred by adding 0-6.9MPa pressure to any side of the transmitter. At the moment of working within the static pressure scope of 3.45kPa-6.9MPa, the performance and specification requirement is met, and the volume change is less than 0.16cm<sup>3</sup>.

## Product model selection

PTC-DR	Slight differential pressure transmitter		
	Measuring range 0-0.1~1.5 KPa)		
	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 A 1Mpa B 4Mpa		
	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 4 C2 T-square threaded connector M20X1.5 E Flame-proof type DIIBT4 D Intrinsic safety type IAICT6		
PTC-DR			