

Product features

- Accuracy: $\pm 0.1\%$ calibration range;
- Stability: 6 months, $\pm 0.1\%$ URL;
- Measuring range: Differential pressure: 0-1.3~6890KPa, static pressure: 4, 10 and 14MPa;
- Effect of ambient temperature: $\pm(0.2\% \text{URL} + 0.18\% \text{ calibration range})/56^\circ\text{C}$;
- Zero error: $\pm 0.5\% \text{URL}/56^\circ\text{C}$;
- Zero: $\pm 0.2\% \text{URL}$ under 13790kPa based on the measuring range: 4 to 8; $\pm 0.25\% \text{URL}$ based on other measuring range. The zero error can be corrected by online rezeroing;
- Measuring range: It can be corrected to $\pm 0.25\%$ output reading: /6895kPa. As for measuring range 3, it can be corrected to $\pm 0.5\%$ output reading /6895kPa;
- Influence of vibration: The vibration effect under 200Hz in any axial direction is $\pm 0.05\% \text{URL/g}$
- Electromagnetic interference/radio-frequency interference (EMI/RFI effect): 20 to 1000MHz. When the field intensity reaches to 30V/M, the measuring range with drift being less than $\pm 0.1\%$ will be output;
- Mounting position influence: The zero drift is no more than $\pm 0.25\text{kPa}$. All zero drift can be corrected; No effect on the measuring range;
- Zero and measuring range: Adjustment with local range and zero button or remote adjustment with HART manual actuator;
- Simulation and lineation: The measuring range and zero are continuously adjustable
- 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 moment 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.



Product model selection

PTC-DP	Differential pressure transmitter			
	Measuring range			
	3	0-0.6~6KPa	4	0-4~40KPa
	5	0-40~200KPa	6	0-0.16~700KPa
	7	0-0.4~2.0MPa	8	0-1.6~7.0MPa
	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			
	B 4Mpa C 10Mpa			
	Additional function/optional			
	M1 0-100% linear dial indicator M2 LED display 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 DIIIT4 D Intrinsic safety type IAIIT6			
PTC-DP				