

Product features



- Reference accuracy $\pm 0.1\%$ calibration range, simulation and lineation $\pm 0.2\%$ calibration range;
- Measuring range: Corrected to $\pm 0.25\%$ output reading /6895kPa;
- Influence of vibration: The vibration effect under 200Hz is $\pm 0.05\%$ URL/g;
- Power supply effect: Less than $\pm 0.005\%$ output range/volt;
- Load effect: : There is no load effect unless the supply voltage changes;
- Stability: Digital and intelligent, 6 months, $\pm 0.1\%$ URL, simulation and lineation: 6 months and $\pm 0.2\%$ URL;
- Effect of ambient temperature: Zero error: $\pm 0.2\%$ URL/56°C, overall error: $\pm (0.2\% \text{ URL} + 0.18\% \text{ calibration range})/56^\circ\text{C}$;
- Simulation and lineation: Zero error: $\pm 0.5\%$ URL/56°C, overall error: $\pm (0.5\% \text{ URL} + 0.5\% \text{ calibration range})/56^\circ\text{C}$;
- Zero: $\pm 0.2\%$ URL under the 31027kPa static pressure. The zero error can be subject to zero setting correction online;
- Electromagnetic interference/radio-frequency interference: 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 reaches to $\pm 0.25\text{kPa}$ at most, and all zero drifts can be corrected without effect on the measuring range;
- Measuring range: Differential pressure: 0-1.3~6890KPa, static pressure: 25 and 32MPa;
- Zero and measuring range: The digital and intelligent type can be adjusted by the machine measuring range and zero button or the HART manual actuator, and the analog and linear range and zero is 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: Digital and intelligent: 4~20mA DC. The user can choose linear or square root output, and the digital process variables are superimposed on the 4 ~ 20mA DC signal which can be used by the upper computer with HART protocol used. Analog and linear 4 ~ 20mA DC, and linear with process pressure;
- Damping time constant: The digital and intelligent time constant is adjustable and subject to progressive increase based on 0.1s from the smallest one to 16.0s. The analog and linear time constant is adjustable (from the smallest one to 1.67s).

Product model selection

PTC-HP	High static pressure differential pressure transmitter			
	Measuring range			
	4	0-4~40KPa	5	0-40~200KPa
	6	0-0.16~700KPa	7	0-0.4~2.0MPa
	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			
	E 25Mpa 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-HP				