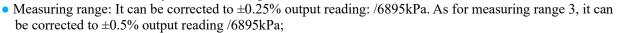
DP differential pressure transmitter



Product features

- Accuracy: ±0.1% calibration range;
- Stability: 6 months, ±0.1%URL;
- Measuring range: Differential pressure: 0-1.3~6890KPa, static pressure: 4, 10 and 14MPal;
- Effect of ambient temperature: $\pm (0.2\%URL+0.18\%)$ calibration range)/56°C;
- Zero error: ±0.5%URL/56°C;
- Zero: ±0.2%URL under 13790kPa based on the measuring range: 4 to 8; $\pm 0.25\%$ URL based on other measuring range. The zero error can be corrected by online rezeroing;



- Influence of vibration: The vibration effect under 200Hz in any axial direction is $\pm 0.05\%$ 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 ±0.25kPa. 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/monel/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/ 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/silicone oil Static pressure B 4Mpa C 10Mpa 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 DIBT4
PTC-DP	D Intrinsic safety type IAIICT6

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