

## DM-DPT-300 Series differential pressure transmitter

### Description

DM-DPT-300 series diffused silicon differential transmitters are consisting of both isolation membrane differential pressure sensor and integrated circuit, Has characteristics of high precision, good stability, high reliability and good sensibility. Also can build high-performance microprocessor (MCU) which can correct nonlinearity and compensate temperature drift. Achieve accurate data transfer, local equipment diagnoses and long-distance bidirectional communication.

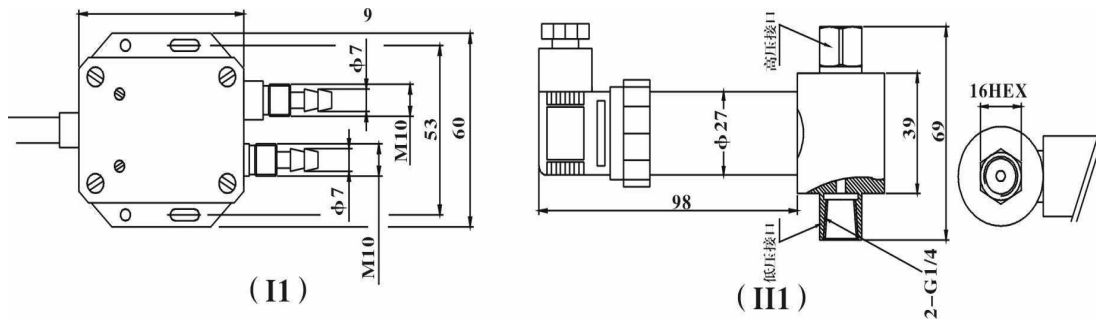
### Application:

- Compatible with 316LSS, noncorrosive gases & liquids
- Wind pressure & velocity of flow in industry process.
- HVAC applications.
- Measuring pressure of pipeline & firepot
- Petroleum industry, chemical industry
- Meteorological monitoring



### Specification:

Range	II : 0~200Pa.....1000Kpa III: 0~20Kpa.....35Kpa... ~2MPa
Medium	II : Dry gases compatible with Aluminum casting or plastic III: Liquids or gases compatible with 316LSS
Proof pressure	1.5X rated range or 4MPa ( Whichever is less )
Accuracy	±0.1% (Typical) ±0.2% (Max.)
Static pressure	5X rated range or 4MPa whichever is less
Long term stability	±0.2%F.S/year (≤200KPa) ±0.1%F.S/year (≤2000KPa)
Zero temperature Drift	±0.03%F.S/°C (≤100KPa) ±0.02%F.S/°C (>100KPa)
Span temperature Drift	±0.03%F.S/°C (≤100KPa) ±0.02%F.S/°C (>100KPa)
Operating temperature range	-20°C~80°C
Storage temperature range	-40°C~120°C
Power supply	15~36VDC
Output signal	II :4~20mA III:4~20mA 0~10/20mA 0/1~5/10VDC
Pressure port	G1/4 Female ⌀ 6 air cock or customize
Housing material	1Cr18Ni9Ti Stainless steel , aluminum casting or plastic
Diaphragm material	316L
O ring	Fluor rubber
Cable	Polyethylene ventilate cable
Insulation resistance	100MΩ,100VDC
Protection	IP65

**Dimension**

**Ordering information:**

DM-DPT-300	Differential pressure transmitter	
	Code	Dimension
	I1	Micro differential pressure cast aluminum housing.(Just measure dry gases)
	I2	Micro differential pressure plastic housing.(Just measure dry gases)
	II 1	Full stainless steel, DIN connector
	II 2	Full stainless steel, direct outgoing line 1.5M
	Range	0~10KPa.....35KPa... ~2MPa
	(0-X) KPa or MPa	X: Range
		Code      Power supply
		D1      24VDC
		D2      Others
		Code      Output signal
		S1      4~20mADC
		S2      1~5VDC
		S3      0~5VDC
		S4      0~10mAC
		S5      0~20mAC
		S6      0~10VDC
		Code      Pressure port
		J1 $\varnothing 7$ air cock
		J2      M20*1.5 male
		J3      G1/4 female
		J4      customize