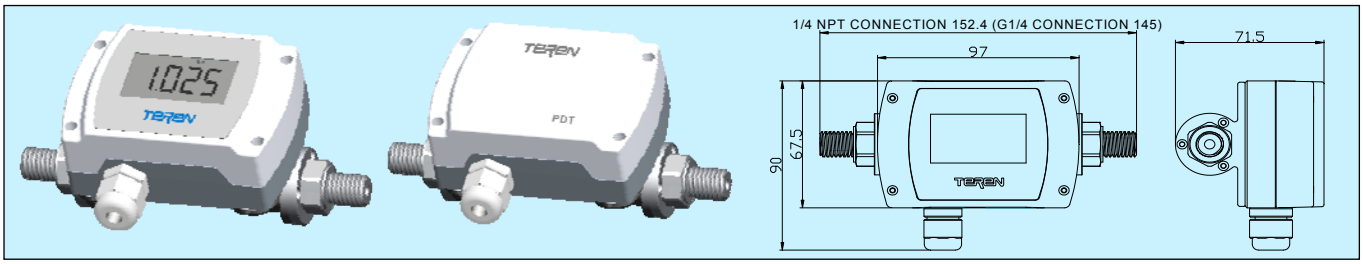
INTELLIGENCE

PDT Differential Pressure Transmitter



Applications & Features

For diff. pressure measurement of compatible fluid and gas

Specifications

Sensor: glass micro fused silicon strain sensor
Power: Current: 18.5~35VDC (R_L=500Ω), 8.5~35VDC (R_L=0Ω),
Voltage output: 16~35VDC, 16~28VAC
Output: 4~20mA (2 wires), 0~10VDC (3 wires) or RS485
Output Load: ≤500Ω (current), ≥2kΩ (0-10VDC)
Accuracy: typical ±0.5%FS (BFSL), see range specifications
Range: see range specifications
Display: LCD, with unit indication (kPa/mbar/in WC/bar/MPa)
Temp. limit: work -20~70°C; medium -20~85°C; compensation 0~55°C
Pressure Limit: see range specifications
Response time: <500ms
Medium compatibility: 17-4PH stainless steel
Housing: sensor: 17-4PH stainless steel; sensor: die cast aluminum;
enclosure: fire retardant ABS+PC(UL94V-0)
Protection: IP65
Weight: 0.5kg
Approval: CE
Install bracket: Included in the packing

Models

Models	PDT					Diff. Pressure Transmitter
Output		1 2 8				0~10V 4~20mA RS485/Modbus RTU
Range			X			see Range
Process Connection				2 4 7		1/4 NPT G1/4 Others
Display					0 1	N/A LCD

Range Specifications

Range		Pressure limits in both side ports			Accuracy	Temperature
		Rated	Overload	Burst	(BFSL)	Coefficient
Code	bar	bar	bar	bar	%FS	%FS/°C
0	0~0.5	3.5	7	17.5	1.0	0.15
1	0~1	3.5	7	17.5	0.5	0.1
2	0~2	3.5	7	17.5	0.5	0.05
3	0~4	7	14	35	0.5	0.05
4	0~6	10	20	50	0.5	0.05
5	0~10	10	20	50	0.5	0.05
6	0~10	16	32	80	0.5	0.05
7	0~16	16	32	80	0.5	0.05

The factory set engineering unit is bar. Customer can switch to others with the UNIT button on the PCB.