

TPD710, Differential Pressure Transmitter

FEATURES

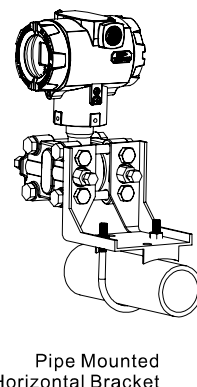
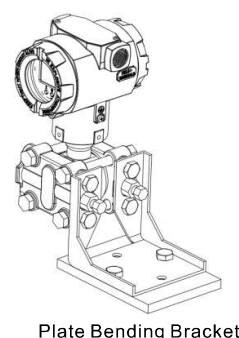
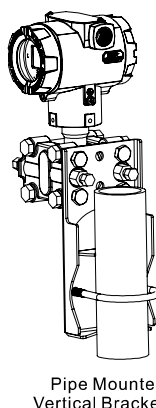
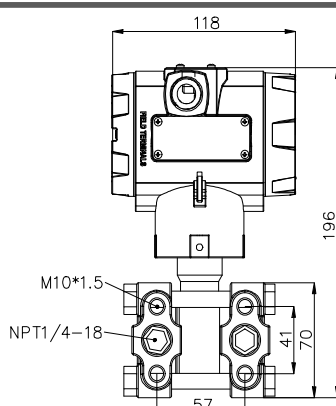
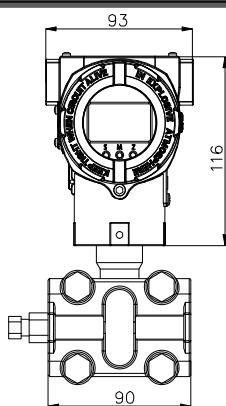
- High-precision pressure sensor using MEMS monocrystalline silicon
- Fast response time, high stability, measurement accuracy 0.075%FS
- The maximum range ratio can reach 100:1
- Adopt double overload protection technology, strong overload capacity, one-way pressure up to 10MPa
- Provide standard HART bus communication mode, perfect self-diagnosis and remote communication function
- High brightness LCD display with backlight, reversible local display screen
- Convenient in-place current loop calibration function
- In-place zeroing function, in-place zero point, full point setting and adjustment function
- RS-485 and 4~20mA HART two output modes



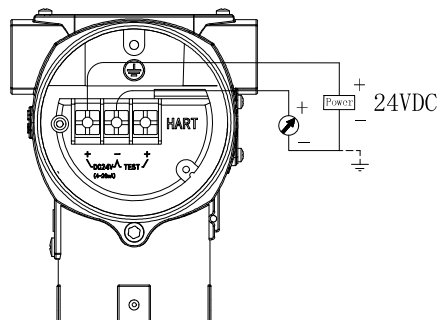
specification

Measurement range	6KPa、40KPa、250KPa、1MPa、3MPa		
Overload pressure	Single-sided overload pressure of 16MPa		
Static pressure	10MPa、16MPa、25MPa		
Accuracy	±0.075%F.S		
Stability	±0.2% of the upper range		
Operating temperature	-20~70℃ with display		
Storage temperature	-40~85℃		
Media to be measured	Gas, liquid		
Diaphragm material	316L, Hastelloy C, Tantalum		
Electrical Performance	2-wire		4-wire
Output Signal	4~20mA	4~20mA HART	RS485
Power supply	12~36VDC	12~36VDC	12~36VDC
Electrical connection	M20*1.5 waterproof outlet wire, NPT1/2 waterproof outlet wire		
Enclosure protection level	IP65		
Pressure interface	H-type construction with NPT1/4 female thread on chamber flange, with pilot fitting, with waist flange		
Pressure type	Gauge pressure G		
Certification items	ExdIICT6、CE		

dimension in mm.



electrical connection



Note: The shortcut interface is functionally equivalent to the signal terminal.



order ref.nº.

TPD710-DP															Provide fast delivery
1	Range	B	0-200Pa~6KPa(0-20~600mmH ₂ O)/(0-2~60mbar)												※
		C	0-400Pa~40KPa(0-40~4000mmH ₂ O)/(0-4~400mbar)												※
		D	0-2.5KPa~250KPa(0-0.25~25mH ₂ O)/(0-25~2500mbar)												※
		E	0-10KPa~1MPa(0-1~100mH ₂ O)/(0-0.1~10bar)												※
		F	0-30KPa~3MPa(0-3~300mH ₂ O)/(0-0.3~30bar)												※
2	Diaphragm material	S	316L												※
		H	Hastelloy C												
		T	Tantalum												
3	Filling fluid	D	Silicone oil												※
4	Electrical connection	1	M20*1.5 Female, PVC												※
		2	M20*1.5 Female, Stainless steel												※
		3	1/2 NPT Female, PVC												
		4	1/2 NPT Female, Stainless steel												
5	Output	N	4~20mA												※
		J	4~20mA+HART												※
		F	RS485												※
6	Process connector	N	Without(NPT 1/4 female thread on chamber flange)												※
		A	Back welded connector and M20*1.5 male												※
		B	Oval Flange connector: NPT1/2 Female												△
		C	T type: M20*1.5 male and back welded connector												△
7	Sealing ring	N	NBR												※
		D	FKM												※
		I	EPDM												※
8	Mounting bracket	B1	Plate Bending Bracket(Carbon Steel)												※
		B2	Tube Bending Bracket(Carbon Steel)												△
		B3	Tube Flat Bracket(Carbon Steel)												△
		B5	Plate Bending Bracket(Stainless steel)												△
		B6	Tube Bending Bracket(Stainless steel)												△
		B7	Tube Flat Bracket(Stainless steel)												△
		N	Without												※
9	Explosion-proof treatment	N	General												※
		D	ExdIICT6												
10	Display	M5	With												※
		N	Without												※
11	Additional conditions	P	M20*1.5 male with welded connector												
		N	Connection parts is made of SS304,and SS316L is optional.												
		K	Degreasing cleaning treatment												
		L	Hanging number plate												
		H	Lightning protection (withstand transient voltage)												
		E	English Nameplate												
		V3	Three valve block												
V5	Five valve block														
TPD710-DP		C	S	D	1	J	A	D	B1	D	M5				
※ means shorter lead time. Without ※ means longer lead time. △ means need to customize.															

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