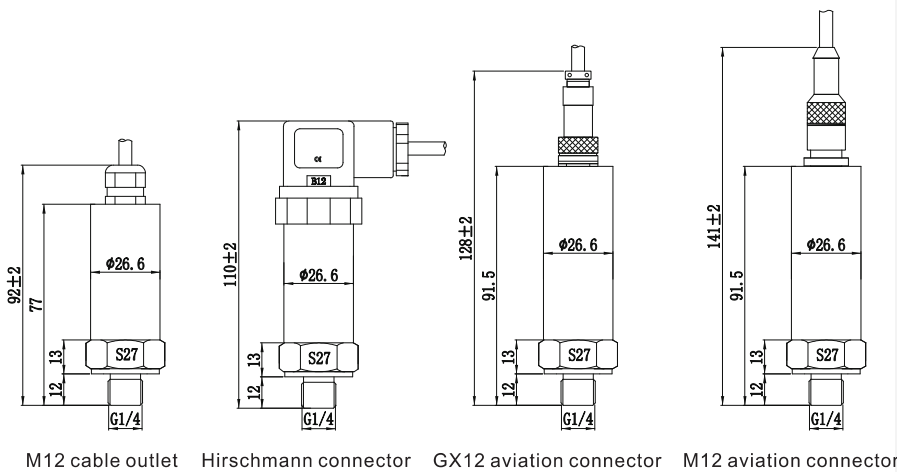




TXPDP

High Accuracy
Pressure Sensor



Dimension in : mm



TXPDP high-precision pressure transmitter adopts a high-precision oil-filled diffusion silicon core, and is automatically tested by a computer, and the zero point and temperature performance compensation in a wide temperature range is carried out by a laser resistance trimming process. This model has the features of high precision, high quality, small size and easy installation. Adopt high-performance MCU with low power consumption to collect pressure signals and convert into standard analog signal output, which is widely applied in fluid media pressure measurement in high-precision test systems such as fire protection, water treatment, water supply systems, air compressor pneumatic devices, and factory automation.

A Measurement Range	0~0.1...4MPa
B Measurement Unit	K=kPa P=psi M=MPa B=Bar
C Output Mode	A4 = 4~20mA(2-wired) V0 = 0~5V (3-wired) V10 = 0~10V (3-wired) RS = RS-485 (4-wired)
D Accuracy	0.1 = 0.1%F.S
E Electrical Connection	D1 = DIN43650A(Big Hirschmann),M = M12(M12Waterproof outlet) C3=GX12 Three-core aviation connector,C4=GX12 Four-core aviation connector , H=M12 Four-core aviation connector
F Pressure Connection	G1= G1/4 G2 = G1/2 N = NPT1/4 M3 = M20*1.5 R=R1/4 M2= M12*1
G Cable Length	1.0 = 1m 2.0 = 2m 3.0 = 3m

Specification

General	Value		
Measurement Range	0~0.1...-4MPa		
Overload Pressure	1.5 times of the rated pressure		
Accuracy ^①	± 0.1%F.S		
Stability	<0.1%F.S/year		
Working Temp	-20~ 85C		
Storage Temp	-40~ 100C		
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel, Fluorine rubber or Nitrile rubber		
Electrical Properties	2-wired	3-wired	
Output Signal	4~20mA	0~5V ^②	0 ~10V ^③
Power Supply	10~36VDC	10~36VDC	14~30VDC
Electrical Connection	DIN43650A (Big Hirschmann),M12 waterproof outlet, GX12 aviation connector(three-core/four-core),M12 four-core aviation connector		
Enclosure Protection	IP54(GX12 aviation connector),IP65(DIN43650A,M12 waterproofoutlet.M12 four-core aviation connector)		
Pressure Connection	G1/4,NPT1/4,R1/4,G1/2,7/16-20UNF,M20*1.5,M10*1,M14*1.5etc.		
Pressure Form	Gauge Pressure G		
Cer tification	ROHS,EU electrical safety standard CE		

①Measured at 25°C, including the comprehensive accuracy of linearity, repeatability and hysteresis

②When the output is 0-5V, the accuracy of zero-point pressure is 0.25%

③When the output is 0-10V, the accuracy of zero-point pressure is 0.25%