



NEO WAVE[®]

General Type Pressure Sensor

TxDP-401



► Product overview



The TxD401 Pressure Sensor is a compact and reliable sensor designed for accurate pressure measurement in liquids and gases. Built with a high-performance ceramic sensing element, it delivers excellent stability, corrosion resistance, and dependable performance across a wide range of industrial and HVAC applications.

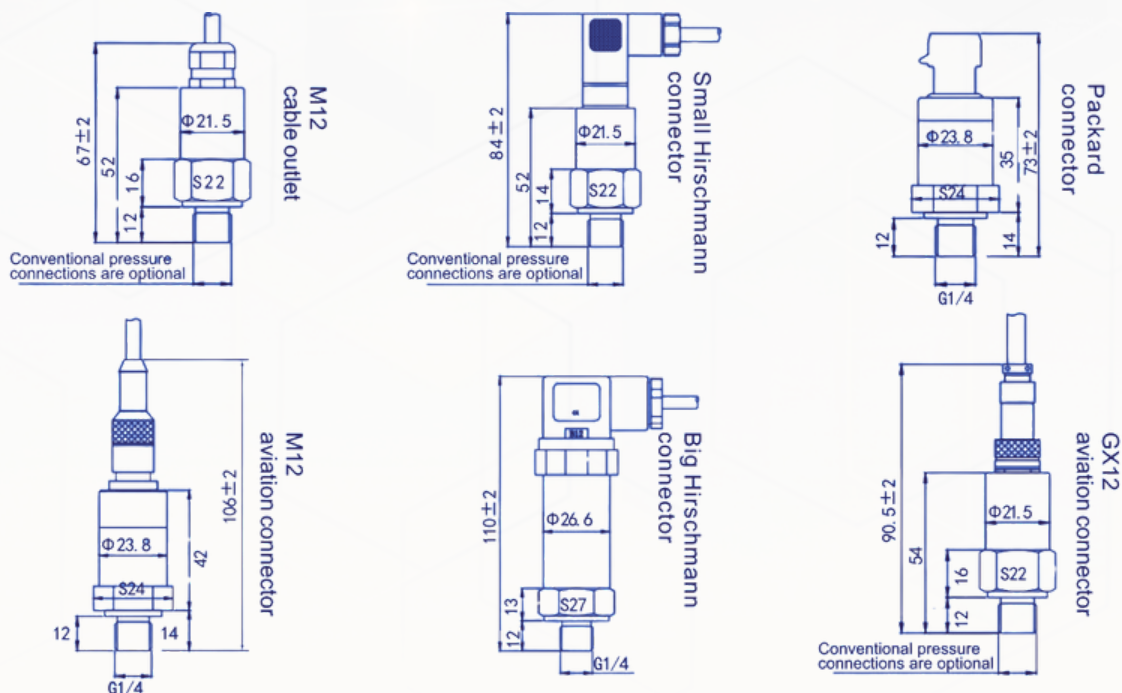
► Features

- High-accuracy ceramic sensing technology.
- Excellent corrosion and wear resistance.
- Stable and reliable long-term performance.
- Compact design for easy installation.
- Suitable for liquid and gas pressure measurement.
- Multiple pressure ranges, outputs, and process connections available.

► Technical Specifications

Measurement Range	-100kPa~0.3MPa...6MPa			
Overload Pressure	1.5 times the rated pressure			
Burst Pressure	2 times the rated pressure			
Accuracy	±0.5%F.S、±1.0%F.S			
Stability	<0.5%F. S/year			
Working Temp	-20~85°C			
Storage Temp	-40~100°C			
Measured Medium	Gas or liquid compatible with 1Cr18Ni9Ti, 304 stainless steel, Fluorine rubber or Nitrile rubber			
Electrical Properties	2-wired	3-wired		
Output Signal	4~20mA	0.5~4.5V	0~5V	0~10V
Power Supply	10~36VDC	4.75~5.25VDC	10~36VDC	12~36VDC
Electrical Connections	Packard, DIN43650C (small Hirschmann), DIN43650A (big Hirschmann), M12 waterproof outlet, M12 aviation connector, GX12 aviation connector (three-core/four-core)			
Enclosure Protection	IP67、IP65、IP54			
Pressure Connection	G1/4、NPT1/4、R1/4、BPS1/4、G1/2、7/16-20UNF、M20*1.5、M10*1、M14*1.5 etc			
Pressure Form	Gauge Pressure G			
Certification	RoHS, EU electrical safety standard CE			

► Dimensions(mm)



► Selection Code

Code and description										Remark
TxDP-401										Model
Range		-100kPa-0.3MPa...6MPa								Measurement Range
A		A = 4-20mA(2-wired)								Output Mode
V05		V05 = 0.5-4.5V(3-wired)								
V0		V0 = 0-5V(3-wired)								
V10		V10 = 0-10V(3-wired)								
K		K = kPa				P		P = psi		Measurement Unit
B		B = Bar				M		M = MPa		
0.5		0.5 = 0.5%F.S.								Accuracy
1.0		1.0 = 1.0%F.S.								
P		P= Packard(Packard)								Electrical Connection
D		D = DIN43650C(Small Hirschmann)								
D1		D1 = DIN43650A(Big Hirschmann)								
M		M = M12 (M12waterproof outlet)								
C3		C3=GX12 Three core aviation connector								
C4		C4=GX12 Four core aviation connector								
H		H=M12 Four core aviation connector								Pressure Connection
G		G = G1/4		G2		G2 = G1/2				
N		N = NPT1/4		M20		M20 = M20*1.5				
R		R = R1/4		U		U = 7/16-20 UNF External thread				
B		B = BSP1/4								
1.0		1.0 = 1m								Cable Length
2.0		2.0 = 2m								
3.0		3.0 = 3m								
TxDP-401	0-16	A	B	1.0	P	G	1.0	Selection Example		