

FEATURES

- Adopt oil-filled silicon core with high overload capacity
- Excellent corrosion and wear resistance
- Using ASIC technology, digital compensation
- Can be applied in a variety of complex environment



DESCRIPTION

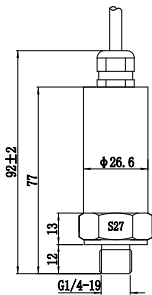
NPT-2800 pressure transmitter is widely used in the measurement of fluid medium pressure in test systems such as fire protection, water treatment, water supply systems, air compressors, and pneumatic device and factory automation. It has excellent anti-corrosion and anti-wear performance, adopts ASIC technology, MEMS technology, digital compensation, and can be applied in various complex environment.

SPECIFICATION

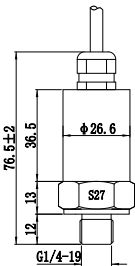
Measurement Range	-100kPa...0~5kPa...60MPa				
Overload pressure	1.5 times of the rated pressure				
Accuracy ^①	±0.5%F.S.(-100kPa...0~5kPa...60MPa)				
	±0.25%F.S.(-100kPa...0~10kPa...60MPa)				
Stability	<0.5%F. S/year				
Working Temp	-20~85°C				
Storage Temp	-40~100°C				
Measured Medium	Gas or liquid compatible with 304 and 316L stainless steel, Fluorine rubber or Nitrile rubber				
Electrical Properties	2-wired (current)	3-wired (voltage)			4-wired
Output Signal	4~20mA	0.5~4.5V	0~5V	0~10V	RS485
Power Supply	8~36VDC	4.75~5.25VDC	8~36VDC	12~36VDC	10~30VDC
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 waterproof outlet, M12 four-core aviation connector)				
Pressure Connection	G1/4、NPT1/4、R1/4、G1/2、7/16-20UNF、M20*1.5、M10*1、M14*1.5 etc				
Pressure Form	Gauge Pressure G/Absolute Pressure A				
Certification	RoHS、EU electrical safety standard CE				

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

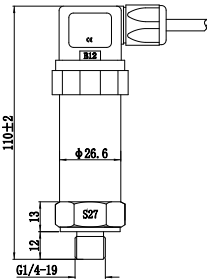
DIMENSION (mm)



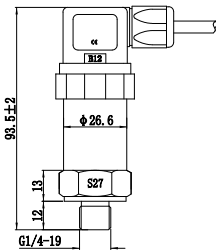
RS485
M12cable outlet



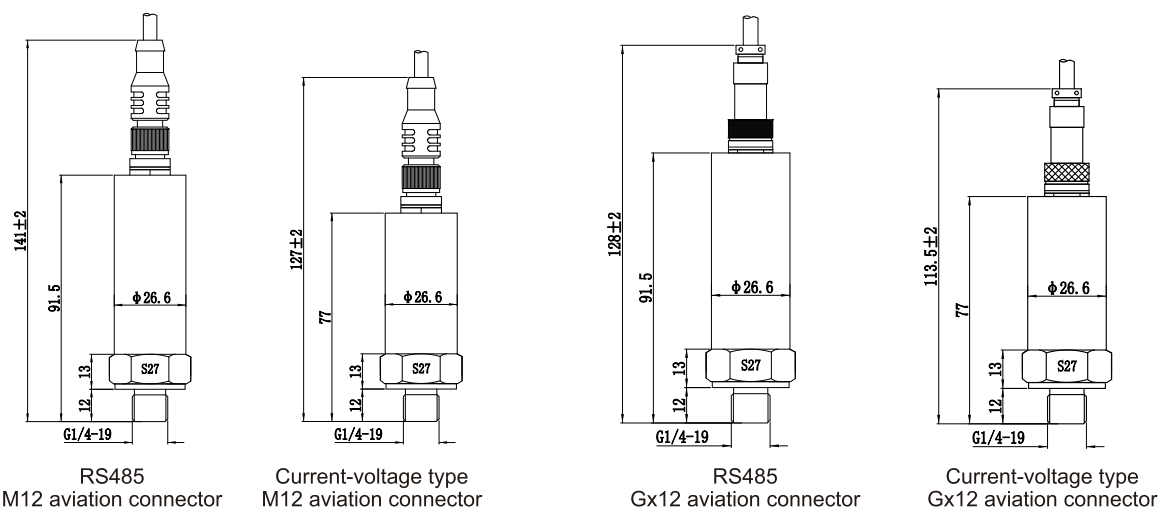
Current-voltage type
M12cable outlet



RS485-
Hirschmann connector



Current-voltage type
Hirschmann connector



ORDER REF NO.

Code and description								Remark
NPT-2800								Model
Range		-100kPa...0~5kPa...60MPa						Measurement Range
K	K=kPa				P	P=psi		Measurement Unit
B	B=Bar				M	M=MPa		
A4	A4 = 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)							
RS	RS =RS485 (4-wired)							Accuracy
0.25	0.25=0.25%F. S							
0.5	0.5=0.5%F. S							
D1	D1 = DIN43650A(Big Hirschmann)							Electrical Connection
M	M= M12(M 12 waterproof outlet)							
C3	C3=GX12 Three-core aviation connector							
C4	C4=GX12 Four-core aviation connector							
H	H=M12 Four-core aviation connector							
G	G=G1/4		G2	G2=G1/2				Pressure Connection
N	N=NPT1/4		M20	M20=M20*1.5				
R	R=R1/4		A	A=7/16-20UNF External thread				
1.0	1.0=1m							Cable Length
2.0	2.0=2m							
3.0	3.0=3m							
NPT-2800	0-16	B	A4	0.5	D1	G	1.0	Selection Example