

WNK51 Smart High Precision Pressure Transmitter



- Gauge & Absolute Pressure measurement in gases, steam or liquids.
- Level, volume or mass measurement in liquids.
- High pressure up to 10,000 psi.
- Accuracy: High accuracy +0.075% of calibration range (with 10:1 turn down). When turn down ratio is greater than 10:1 (up to 100:1), then the accuracy = the accuracy of set range $\pm [0.015+0.005(\text{URL}/\text{set range})\%]$

Ordering information



Model	Product Details		
WNK51	Smart High Precision Pressure Transmitter		
Code	Approval		
A	For non-hazardous areas		
1	Exia II CT6		
2	Exia II CT4		
3	Exd II CT6		
For other approvals or more information, please contact with us			
Code	Output Code		
A	4...20mA		
H	4...20mA, HART		
P	PROFIBUS-PA		
F	FF		
Code	Display		
A	No display		
L	LCD		
Code	Housing; Cable entry; Protection		
A	Aluminum14, M20×1.5, IP66/67	B	Aluminum14, 1/2" NPT, IP66/67
Code	Sensor range, for gauge pressure	Code	Sensor range, for absolute pressure
1C	100mbar (10kPa/1mH ₂ O)	2C	100mbar (10kPa/1mH ₂ O)
1E	250mbar (25kPa/2.5mH ₂ O)	2E	250mbar (25kPa/2.5mH ₂ O)
1F	400mbar (40kPa/4mH ₂ O)	2F	400mbar (40kPa/4mH ₂ O)
1H	1bar (100kPa/10mH ₂ O)	2H	1bar (100kPa/10mH ₂ O)
1K	2bar (200kPa/20mH ₂ O)	2K	2bar (200kPa/20mH ₂ O)
1M	4bar (400kPa/40mH ₂ O)	2M	4bar (400kPa/40mH ₂ O)
1P	10bar (1MPa/100mH ₂ O)	2P	10bar (1MPa/100mH ₂ O)
1S	40bar (4MPa/400mH ₂ O)	2S	40bar (4MPa/400mH ₂ O)
1U	100bar (10MPa/1000mH ₂ O)	2U	100bar (10MPa/1000mH ₂ O)
1W	400bar (40MPa/4000mH ₂ O)	2W	400bar (40MPa/4000mH ₂ O)
1X	700bar (70MPa/7000mH ₂ O)	2X	700bar (70MPa/7000mH ₂ O)

BAR to PSI Conversions:

100 mBar = 40" wc	250 mBar = 100"wc	400 mBar = 160"wc
1 Bar = 14.5 PSI	4 Bar = 58 PSI	7 Bar = 101 PSI
10 Bar = 145 PSI	40 Bar = 580 PSI	70 Bar = 1,015 PSI
100 Bar = 1,450 PSI	400 Bar = 5,801 PSI	700 Bar = 10,152 PSI

Code	Calibration, Unit
1	Sensor range, mbar/bar
2	Sensor range, kPa/MPa
3	Sensor range, mmH ₂ O/mH ₂ O
4	Sensor range, psi
Code	Diaphragm material
1	316L SST
2	Alloy C-276
X	Other special requirement
For other special kind of diaphragm, please contact with us.	
Code	Process connection screw thread
GA	Male thread G1/2, inner hole 3mm, 316 SST
GB	Male thread G1/2, inner hole 11.4mm, 316 SST
GC	Female thread G1/2, inner hole 3mm, 316 SST
GD	Female thread G1/2, inner hole 11.4mm, 316 SST
NA	Male thread 1/2NPT, inner hole 3mm, 316 SST
NB	Male thread 1/2NPT, inner hole 11.4mm, 316 SST
NC	Female thread 1/2NPT, inner hole 3mm, 316 SST
ND	Female thread 1/2NPT, inner hole 11.4mm, 316 SST
MA	Male thread M20×1.5, inner hole 3mm, 316 SST
MB	Male thread M20×1.5, inner hole 11.4mm, 316 SST
JX	Other special requirement
For other special connection screw thread, please contact with us.	
Code	Process connection material
2	304 SST
3	316 SST
H	Alloy C
Code	Overvoltage protection
A	No
M	Overvoltage protection
Code	Mounting bracket
A	No
U	Mounting bracket for pipe
Typical model#: WNK51 AHL A1P21 MA2 AU	

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