

## WNK59 Smart Pressure Transmitter

- Gauge, absolute pressure measurement in gases, steam or liquids in all areas of process control field.
- Level, volume or mass measurement in liquids.
- High pressure up to 10,000 psi. (700 bar)
- Accuracy:  
High accuracy up to +0.075% of calibration range.  
When range ratio is greater than 10:1, the accuracy= the accuracy of set range  $\pm [0.025 + 0.005(\text{URL/set range})]\%$ .



### Ordering information



Model	Product details		
WNK59	Smart Pressure Transmitter		
Code	Approval		
A	For non explosion-proof 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 <sub>2</sub> O)	2C	100mbar (10kPa/1mH <sub>2</sub> O)
1E	250mbar (25kPa/2.5mH <sub>2</sub> O)	2E	250mbar (25kPa/2.5mH <sub>2</sub> O)
1F	400mbar (40kPa/4mH <sub>2</sub> O)	2F	400mbar (40kPa/4mH <sub>2</sub> O)
1H	1bar (100kPa/10mH <sub>2</sub> O)	2H	1bar (100kPa/10mH <sub>2</sub> O)
1K	2bar (200kPa/20mH <sub>2</sub> O)	2K	2bar (200kPa/20mH <sub>2</sub> O)
1M	4bar (400kPa/40mH <sub>2</sub> O)	2M	4bar (400kPa/40mH <sub>2</sub> O)
1P	10bar (1MPa/100mH <sub>2</sub> O)	2P	10bar (1MPa/100mH <sub>2</sub> O)
1S	40bar (4MPa/400mH <sub>2</sub> O)	2S	40bar (4MPa/400mH <sub>2</sub> O)
1U	100bar (10MPa/1000mH <sub>2</sub> O)	2U	100bar (10MPa/1000mH <sub>2</sub> O)
1W	400bar (40MPa/4000mH <sub>2</sub> O)	2W	400bar (40MPa/4000mH <sub>2</sub> O)
1X	700bar (70MPa/7000mH <sub>2</sub> O)	2X	700bar (70MPa/7000mH <sub>2</sub> 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

<b>Code</b>	<b>Calibration, Unit</b>
1	Sensor range, mbar/bar
2	Sensor range, kPa/MPa
3	Sensor range, mmH <sub>2</sub> O/mH <sub>2</sub> O
4	Sensor range, psi
<b>Code</b>	<b>Diaphragm material</b>
1	316L SST
2	Alloy C-276
X	Other special requirement
For other special kind of diaphragm, please contact with us.	
<b>Code</b>	<b>Process connection screw thread</b>
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.	
<b>Code</b>	<b>Process connection material</b>
2	304 SST
3	316 SST
H	Alloy C
<b>Code</b>	<b>Overvoltage protection</b>
A	No
M	Overvoltage protection
<b>Code</b>	<b>Mounting bracket</b>
A	No
U	Mounting bracket for pipe
Typical model#: WNK59AHLA1P21 MA2AU	

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