

Wnk805 Compact Pressure Transmitter

Wnk805 compact pressure transmitter adopts imported high accuracy and high stability chips and excellent assembly technology, by taking precise temperature compensation, and puts circuit board in safe stainless steel housing. Diffused silicon strain gage bridge is put on sensitive chips, thus switching of pressure and power is in one and same device, ensuring compact and reliable structure.

Wnk805 is widely applied in gauge or absolute pressure measurement in fields of aerospace, communication, irrigation works, oil, chemical, power, meteorology, laboratory and etc. It could also be used for measuring negative pressure, vacuum degree and etc.



Technical specifications:

- Pressure range from 0-0.2 ~ 60MPa
- Pressure type includes gauge, absolute, vacuum, negative pressure
- Output 4~20mA, 0.5-4.5V, 0-5V, 1-5V, Modbus/RS485, others
- Reference Accuracy $\pm 0.2\%FS$, $\pm 0.5\%FS$
- Electrical connector DIN43650/Hirschman, M12, direct cable outlet and others

Measuring medium:

Non - corrosion or weak corrosion gas or fluid

Applications

- Machine building
- Measurement and control technology
- Hydraulics and pneumatics
- Pumps and compressors

Approval:



Detailed Technical Information

Overload	1.5 ~2 times
Non-linearity	0.1, 0.25, 0.5, 1%FS
Delay / repeat	0.05, 0.1%FS
Temp. compensation	-10 ~ 70 °C
Working temperature	-40 ~ 85 °C
Stability	0.25% FS/ Year
Explosion proof	Ex ia IIC T4 Ga; Ex nA IIC T4 Gc
Ambient temperature effects	±0.2%FS/10K (within the range -20~80°C total impact)
Ingress protection	DIN43650 IP65; M12*1 (4-pin)/ Cable outlet IP67

Output signals

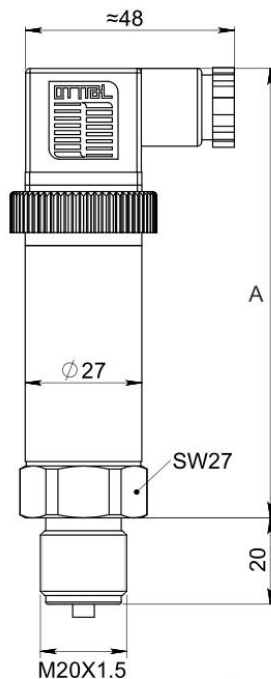
Output signals	
Current (2-wire)	4~20mA
Voltage (3-wire)	DC 0~10v
	DC 0-5V
	DC 1-5v
	DC 0.5-4.5v

Other output signals on request

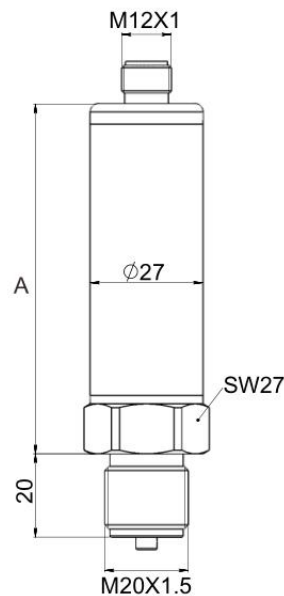
Voltage supply

Output signals	Power Supply
	Standard
4~20mA	DC 8~30 V
DC 0~10v	DC 12~30 V
DC 0-5V	DC 9~30 V or 5V
DC 1-5v	DC 9~30 V or 5V
DC 0.5-4.5v	DC 8~30 V or 5V

Product drawing and dimensions:



Weight: about 210g



Weight: about 180g

A= 122



W/NK805 Compact Pressure Transmitter

Model	Product description		
W/NK805	Compact Pressure Transmitter		
Code	Pressure type		
A	Absolute pressure		
G	Gauge pressure		
S	Sealing pressure		
Code	Accuracy		
F	0.2%		
O	0.5%		
Code	Sensor range		
A	10KPa	H	2.5MPa
B	20KPa	I	4MPa
C	40KPa	J	6MPa
D	100KPa	K	10MPa
E	400KPa	L	40MPa
F	600KPa	M	60MPa
G	1MPa	N	100MPa
Code	Output		
1	4...20mA	5	0~10V
2	1~5V	6	RS485
3	0.5...4.5V	7	Customization
4	0~5V		
Pls contact W/NK for other outputs			
Code	Electrical connector		
C1	DIN43650		
C2	M12		
C3	Cable outlet (pls put down cable length, such as 01 for 1 meters)		
CX	Customization		
Code	Process connector		
P1	G1/4		
P2	1/4-18NPT		
P3	1/8-27NPT		
P4	M14 × 1.5		
P5	M12 × 1.5		
P6	1/4-19PT		
P7	7/16-20UF(female)		
P8	G1/2" flush		
P9	Clamp (OD=50.5mm; OD=64mm)		
PX	Customization		
Pls contact W/NK for other process connectors			
Typical model: W/NK805 GFB1 C3 P1			
W/NK805 GFB1 C3 P1_____C3 direct cable outlet length is 1 meter.			