

WNK805 Gauge/Absolute Pressure Transmitter (Diffused silicon sensor)

WNK 805 integral pressure transmitter adopts stainless steel shell structure, built in stainless steel oil filled sensor, intelligent digital circuit with precise temperature characteristic compensation, it can be used reliably and stably

It is suitable for gas, liquid, steam pressure measurement and pressure measurement with corrosive media.

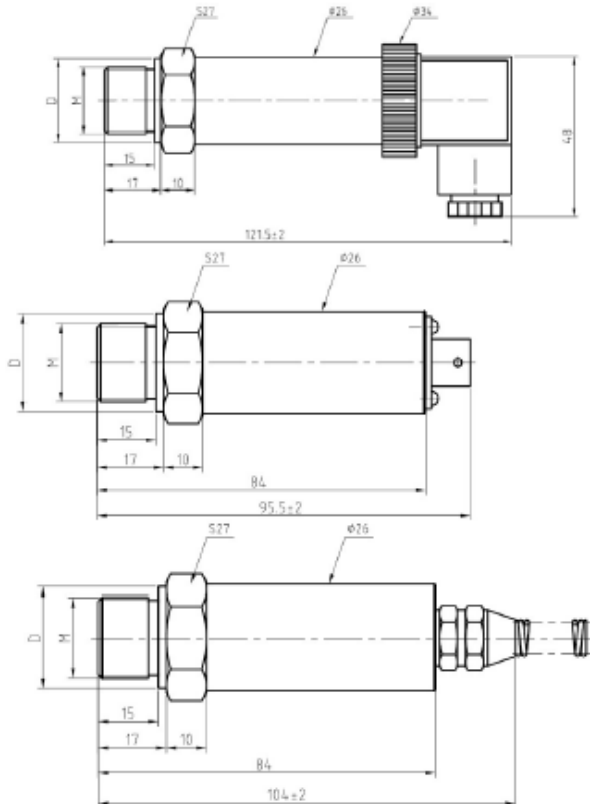
Note: Per un reset di zero alimentare Pin 1 (+) e Pin 2 (-) con un alimentazione 24 Vdc e cortocircuitare il 3 e il 4 per qualche secondo.



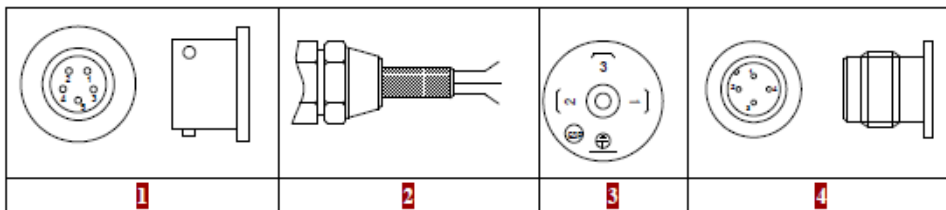
Technical data

WNK805 Gauge/Absolute Pressure Transmitter (Diffused silicon sensor)	
Applicable media	Liquid, Gas, Steam
Pressure range	-100kPa-0, 0-0.2~-100kPa, 0-0.2~1000kpa, 0-60MPa, 70MPa
Pressure measurment	Gauge Pressure, Absolute pressure, Negative pressure, Sealing pressure
Accuracy	0.2% FS, 0.5% FS
Stability	±0.25% FS/year
Zero drift	50% of full range span.
Max overload	200% of sensor range
Bandwidth / Response time	1 millisecond (Optional for analog type)
Output signals	4~20mA, 1-5V(optional)
Display	LED (Optional)
Housing material	304 stainless steel
Mechanical connection	M20×1.5; 1/2-18NPT, 1/4NPT, Customize
Power supply	Non-explosion: 10.5~45V DC
	EEX ia: 8~30 V DC
Ambient temperature	-40~85°C
Process temperature	-40~85°C
	-40~150°C (diaphragm type, clamp type)
Compensation temperature	-10~70°C

Dimensions



Electric Connector



Electric Connection Mode

Electric connector	2 wire (4-20mA)			3 wire (0-10V, 0-5V, 0.5-4.5V)		
Hirschman 	Pin	Function	Color	Pin	Function	Color
	1	E+/S+	Red	1	E+	Red
	2	E-/S-	Black	2	S+	Blue
	3	---	---	3	E-/S-	White
M12 ,4 PIN Connection 	Pin	Function	Color	Pin	Function	Color
	1	E+	Red	1	E+	Red
	2	---	---	2	---	---
	3	S+	Black	3	S+	Blue
	4	---	---	4	E-/S-	White
Cable 	Function	Color	Function	Color		
	E+	Red	E+	Red		
	S+	Black	S+	Blue		
	---	---	E-/S-	White		

Nota: Per offset di 0% dare alimentazione a Pin 1 + e Pin 2 - .

Connettere Pin 3 e Pin 4 ed attendere alcuni secondi. Verificare che l'uscita sia 4,00 mA

Ordering sheet

Model	Product description
WNK805	Pressure Transmitter
Code	Pressure type
A	Absolute pressure
G	Gauge pressure
S	Sealing pressure
Code	Display
A	No
L	LED
Code	Accuracy
F	0.2%
O	0.5%
Code	Sensor range
A1	0-1~10 mbar
A2	0-10~100 mbar
A3	0-100~350 mbar
A4	0-350~1000 mbar
A5	0-1~4 bar
A6	0-4~6 bar
A7	0-6~10 bar
A8	0-10~25 bar
A9	0-25~60 bar
A10	0-60~100 bar
A11	0-100~250 bar
A12	0-250~400 bar
A13	0-400~600 bar
Code	Output
O1	4...20mA
O2	1-5V
O3	0-10V
O4	0-5V
Code	Electrical connector
C1	DIN43650 (Hirschmann connector)
C2	M12 (Aviation plug)
Code	Process connection
P1	G1/2
P2	G1/4
P3	1/2 NPT male
P4	1/2 NPT female
P5	1/4 NPT male
P6	1/4NPT female
P7	Diaphragm type (standard: G1/2 diaphragm)
P8	Clamp
Typical model:	WNK805 GFA7O1C1P2