

Specific&Performance

- Pressure Range: From 0-2kPa to 0-2MPa
- Anti corrosive
- Excellent thermo performance

Application

- Petrochemical
- Water treatment
- Power station
- Ship building



Specification

Specification						
Sensor technology	Ceramic capacitance					
Pressure range	Minimum 2 kPa, Maximum2 MPa					
Accuracy (25℃)	0.5% FSO (Typical) , 0.25% FSO (Option)					
Zero thermo drift	≤0.02% of URL per℃					
Span thermo drift	≤0.02% of URL per℃					
Long term drift	0.1% of URL per year					
Zero point adjustment	10% of range					
IP protection	IP65 or IP67(Depending on electrical connection)					
Temperature	Compensation range	Enviroment temperature		Storage temperature		
	-20-85℃	-40-85℃		-40-125℃		
Output signal	4-20mA 2 wires,0-10V 3 wires,1-5V 3 wires					
Supply voltage	12-30VDC, typical 24VDC					
Load in Ω	Current output: $RL\leq (U_s-12V) / 20mA$; Voltage output: $RL\geq 20K$					
Electric protection	Reversed polarity	Short circuit		Resist voltage		
	Protected	Protected		30V		
vibration resistance	10g, 55Hz...2kHz					
Shock resistance	50g, 11mS					
Insulation resistance	>100MΩ under 500VDC					
Process connection	Please refer the ordering code					
Service life	10 million load cycles					
Response time (10%....90%)	≤5mS					
Material	Housing	Process connection		Diaphragm	Sensor sealing	Cable
	316 SS	304 SS 316L SS or PVDF		Ceramic	NBR or FKM	PUR

Pressure range

Rel pressure (unit bar)

Pressure range	0-0.02	0-0.05	0-0.1	0-0.16	0-0.25	0-0.4
Over pressure	0.1	0.1	0.2	0.4	1	1
Ordering code	10	11	12	13	14	15

Pressure range	0-0.6	0-1	0-1.6	0-2.5	0-4	0-6
Over pressure	2	2	4	7	10	20
Ordering code	16	17	18	19	20	21

Pressure range		0-10	0-16	0-20		
Over pressure		20	40	40		
Ordering code		22	23	24		

Abs pressure (unit bar)

Pressure range	0-0.05	0-0.1	0-0.16	0-0.25	0-0.4	0-0.6
Over pressure	0.1	0.2	0.4	1	1	2
Ordering code	11	12	13	14	15	16

Pressure range		0-1	0-1.6	0-2.5	0-4	0-6
Over pressure		2	4	7	10	20
Ordering code		17	18	19	20	21

Pressure range		0-10	0-16	0-20		
Over pressure		20	40	40		
Ordering code		22	23	24		

Vacuum pressure (unit bar)

Pressure range	-0.02-0	-0.05-0	-0.1-0	-0.16-0	-0.25-0	-0.4-0
Over pressure	0.1	0.1	0.2	0.4	1	1
Ordering code	50	51	52	53	54	55

Pressure range		-1-0	-1-0.6	-1-1.5	-1-3	-1-5
Over pressure		2	4	7	10	20
Ordering code		56	57	58	59	60

Pressure range		-1-9	-1-15			
Over pressure		20	40			
Ordering code		61	62			

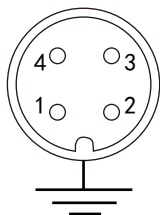
Electrical connection

"-" means non

	Connection thread	Cable dia(mm)	IP protection	Code
DIN 43650	-	6-8	IP65	D1
M12*1(4 pins)	M12*1	-	IP67	D2
1m cable	-	7.5	IP65	T3

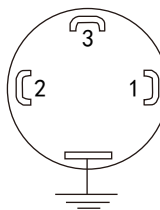
Connection pins

M12*1(4 pins)



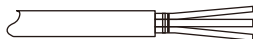
Pin	2-wire	3-wire
1	Power "+"	Power "+"
2		Signal
3		
4	Power "-"	Power "-"

DIN 43650



Pin	2-wire	3-wire
1	Power "+"	Power "+"
2	Power "-"	Power "-"
3		Signal "+"

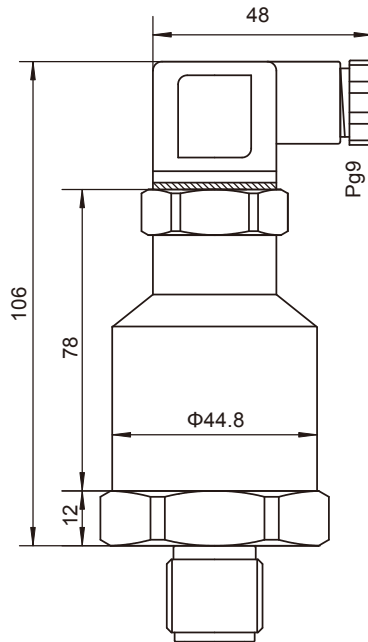
1m cable



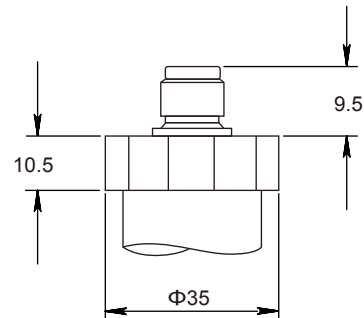
Pin	2-wire	3-wire
Red	Power "+"	Power "+"
Black	Power "-"	Power "-"
Blue		Signal "+"

LY5 Pressure transmitter

Dimensions (mm)

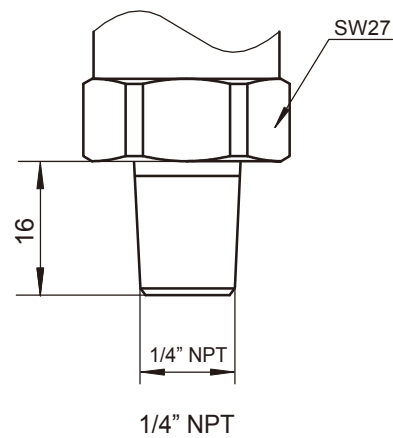
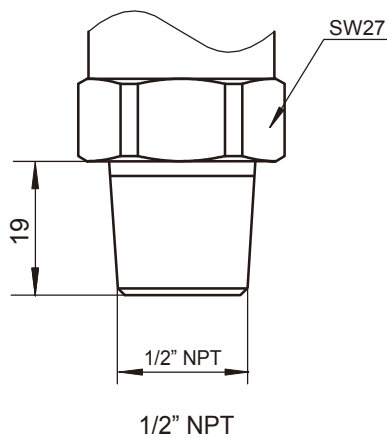
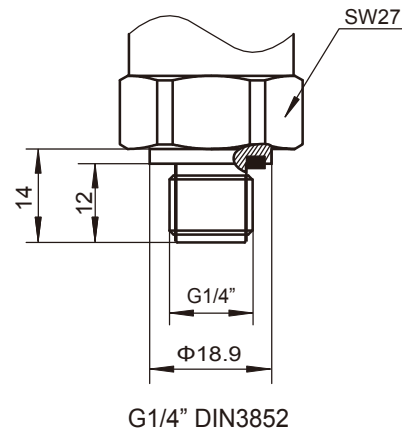
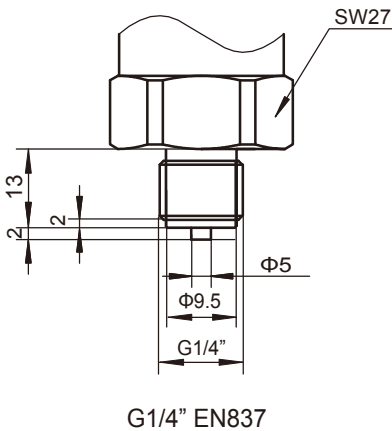
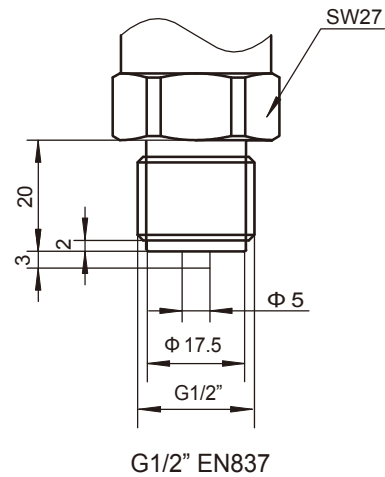
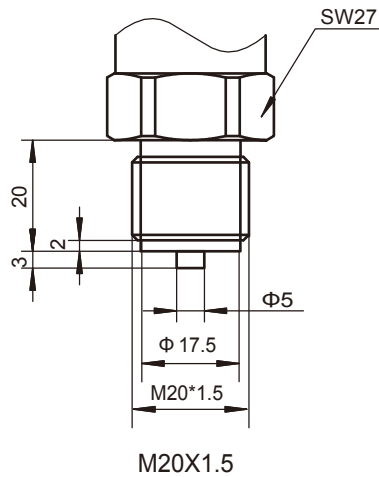


DIN 43650



M12*1 (4 pins)

Thread dimensions (mm)



LY5 ordering code

	Code	Specification
1.		LY5 Series
2.		Pressure type
	G	Rel
	A	Abs
3.		Pressure range
	XXXX	Please refer the range in Page 2
4.		Output signal
	1	4-20mA 2-wire
	5	1-5V 3-wire
	7	0-10V 3-wire
5.		Accuracy
	5	0.5% FSO
	2	0.25% FSO
6.		Electrical connection
	D1	DIN 43650
	D2	M12*1 (4 pins)
	T3	1m cable
7.		ATEX
	S	Standard
8.		Thread material
	4	304 SS
	6	316L SS
	P	PVDF
9.		Sensor Sealing material
	1	NBR (- 40-85 °C)
	2	FKM (- 10-85 °C)
10.		Process connection
	1	G1/2" EN837
	2	G1/4" EN837
	3	1/2"NPT
	4	1/4"NPT
	5	G1/4" DIN3852
	6	M20*1.5

Accessories ordering code

1.

M12*4 pins cable

	1m cable	2m cable	5m cable
Straight	1101	1102	1105
90° angle	2201	2202	2205

2.

Gasket

	Brass	SS	FKM
G1/2" EN837	5501	5502	
G1/4" EN837	5503	5504	
M20*1.5	5505	5506	
G1/4" DIN3852			4403