

# Pressure transmitter

## SYP



### Constructive characteristics

**Sensor:** extensimeter measurement principle

**Material in contact:** AISI316L

**Gasket:** NBR

**Case :** AISI304

**Protection:** IP65 / IP67

**Weight:** 0,10 Kg

**Process connection:** G 1/4 gas male (DIN 3852-E),  
G1/4 gas female, G1/2A (DIN 16288)  
other on request

### Functional characteristics

**Pressure range:** 0...1 / 0...1000 bar relative

**Sensor class (included linearity and hysteresis):** 0,25%

**Compensate temp. range:** -20...+80°C (-4...+176°F)

**Permitted temperature fluid:** -40...+85°C (-40...+185°F)

**Zero drift:** ≤ typical : 0.05% fs/10K

**Sensibility drift:** ≤ typical : 0.05% fs/10K

**Zero offset:** ≤±0.5%FS

**Max applicable pressure (without decay):** 2 time FS  
max 2500

**Resistance to bursting:** 3 time FS max 2500

### Electrical Characteristics

**Output signal:** 4..20 mA , 0..5 Vdc, 0..10 Vdc ,  
other on request

**Electrical connection:** cables, DIN43650 ,  
4 pole connector , other on request

**Power supplier:** 09...30Vdc (current )  
15..30 Vdc (Voltage)

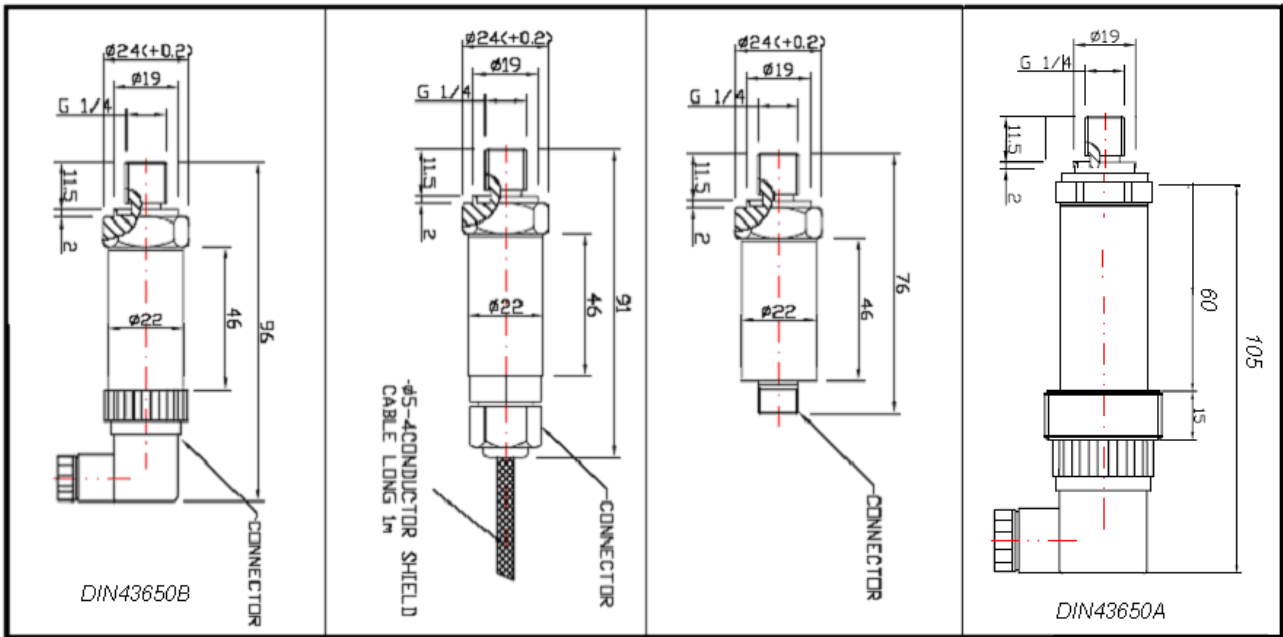
**CE conformity:** 89/336 CE (EN50082-1 e 2 EN50081-  
1 e 2); 97/23/CE :3.3 Ps<200 bar cat 1 - Ps≥200 bar

**Isolation resistance at 50 Vdc:** >1000MΩ

**Response time(10..90%):** ≥10mS



**Mechanical dimensions**



- SYP-01 DIN 43650B
- SYP-02 CABLES
- SYP-03 CLAMP CONNECTOR
- SYP-05 DIN 43650A

**Electrical connections**

	Terminal		
	SYP-01	SYP-02	SYP-03
Power supply (output) 15..30Vdc (0..5-10 Vdc)	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc )	Red (+) Yellow or black (-) white (Out 0..5- 10Vdc )	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc )
Power supply (output) 09..30Vdc (4..20 mA)	Pin 1 (+) 2 (-)	Pin Red(+) o Yellow or black (-)	Giallo Pin 1 (+) Pin 2 (-)
Draws			



<b>Order code</b>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Model</b>	SYP	0	1													
		0	2													
		0	3													
		0	5													
	Special model	X	X													
<b>Type of pressure</b>	Gauge		R													
<b>Output signal</b>	4 ... 20 mA (due fili)			1	1											
	0..10 Vdc			2	2											
	0...5 Vdc			3	3											
	Special model			X	X											
<b>Process connections</b>	G ¼ gas male (DIN 3852-E)					A	A									
	G ¼ gas female					B	B									
	G ½ gas male (DIN 16288)					C	C									
	Special model					X	X									
<b>Pressure range (bar)</b>								0	1							
			0..1					1	0							
			0..1,6					1	1							
			0..2					1	2							
			0..2,5					1	3							
			0..3					1	4							
			0..4					1	5							
			0..5					1	6							
			0..6					1	7							
			0..7					1	8							
			0..10					1	9							
			0..16					1	0							
			0..20					2	1							
			0..25					2	2							
			0..30					2	3							
			0..40					2	4							
			0..50					2	5							
			0..60					2	6							
			0..100					2	7							
			0..160					2	8							
			0..200					2	9							
			0..250					3	0							
			0..350					3	1							
			0..400					3	2							
			0..500					3	3							
			0..600					3	4							
			0..700					3	5							
			0..1000					3	0							
			Special model					X	X							
<b>Accuracy</b>										A	A					
										X	X					