

Pressure sensor with internal diaphragm



Accuracy 0,35% resp. 0,5%
for lower pressure

For the measuring of very low gauge pressure from 10 mbar
and vacuum (-1...0 bar).

Suitable for gases, pressure and thin liquid, not aggressive oils.



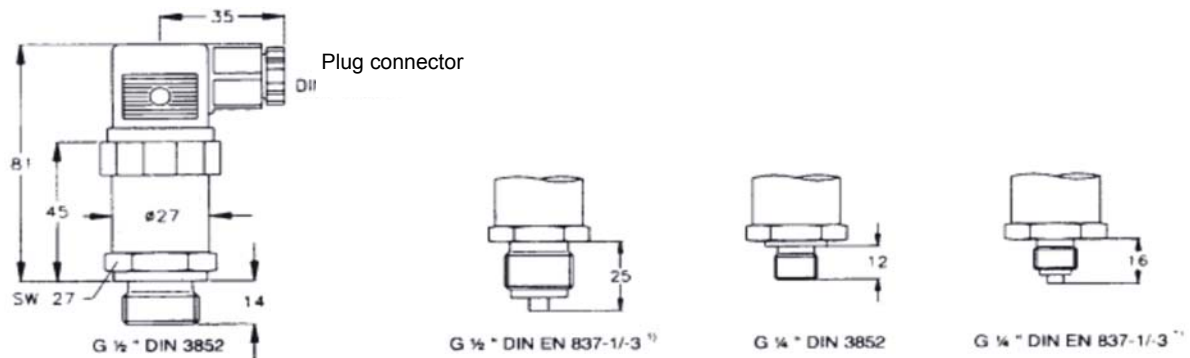
Type	3390	3395	Options
Pressure type	Negative or positive gauge pressure		Ex-version
Output signal	4...20mA - 2-wire system 0...20 mA/4...20 mA	0...10 VDC/0...5 VDC 3-wire system	others on request
Accuracy	0.5% up to 60 mbar / 0.35% from 100 mbar		
Ranges	0...10 mbar up to 0...1000 mbar, -1...0 bar		Mano-Vacuum
Sensor element	Silicium, stainless steel, epoxy or RTV, glass		
Repeatability	<= +/- 0,5% of F. S.		
Stability (annual)	<= +/- 0,2% of F. S. in rated		
Case	Stainless steel 1.4404		
Pressure connection	Stainless steel 1.4404, G 1/2 B		others on request
Wetted parts	Stainless steel, ceramic, Al ₂ O ₃ 96%Silicium, RTV or Epoxy		
Overload limit	<= 20 mbar = 80 mbar; >40 mbar = 300 mbar; >= -1 bar = 3 bar		
Electr. Connection	Plug acc. to DIN 43650 with cable box		PG-screwed
Power Supply	12...36 VDC		
Power consumption	Output <30 mA: signal voltage Voltage output: <15mA		
Load	2-wire current [UB (V) - 12 12V]/0,02 A 3-wire current >= 500 Ohm Voltage > 1MOhm		
Temp. Compens. Range	0...60°C		
Temp. Influence	+/- 1,5%/FSO, zero point and measuring range		
Response time	< 10 ms		
Protection type	IP 65 EN 60529/IEC 529		IP67, IP 68
Emission	acc. EN 50081-2		
Interference	acc. EN 50082-2		
electr. prot. types	Polarity, short-circuit, and overload protection -120...150 VDC		
Temp. ranges	Storage -40...100°C, medium -40...125°C, ambient -40...85°C		
Weight	approx. 0,20 kg		

Types 3390, 3395

Dimensions (mm)

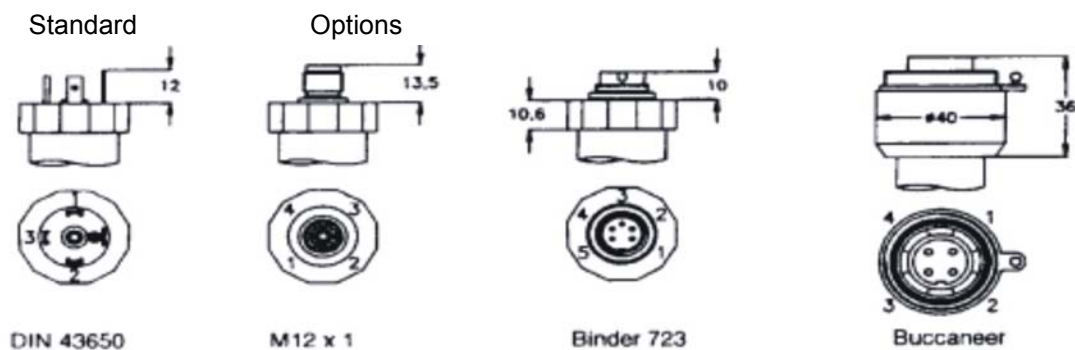
Mechanical connections

Standard



Note Ex-version: the length will be increased for 26,5 mm!

Electrical connections

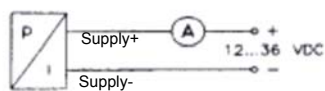


Connection

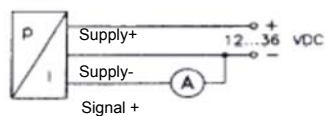
		DIN 43650	M12 x 1 (4-pole)	Binder 723 (5-pole)	Bulgin Buccaneer	Color for cable (DIN 47100)
2-wire-system:	Supply +	1	1	3	1	white
	Supply -	2	2	4	2	brown
	Earth	Earth	4	5	4	cable shield
3-wire-system:	Supply +	1	1	3	1	white
	Supply -	2	2	4	2	brown
	Signal +	3	3	1	3	green
	Earth	Earth	4	5	4	cable shield

Connection - Switching drawings

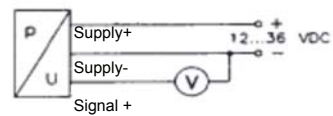
2-wire: 4...20 mA



3-wire: 0...20 mA/4...20 mA



3-wire: 0...10 V/0...5V



¹⁾ DIN EN 837-1 / -3 former DIN 16288