



Description & Features:

- Intrinsically safe (4-20 mA output only)
- Flush diaphragm suited for viscous media and gases compatible with 316L stainless steel
- Excellent linearity, long term stability and minimal thermal effect
- Various fill fluids available for different processes
- Optional cooling element for high temperature applications
- CSA File 211107-2080801
- 1 year warranty

Applications:

- Suitable for applications requiring an intrinsically-safe product for use in Class 1, Div. 1 hazardous areas

Specifications	
Electrical Output Signal	2-wire: 4...20 mA
Electrical Connection	DIN
Excitation Voltage	12...28 V _{DC}
Housing	304 SS
Wetted Parts/Connection	Pressure port: 316 Ti SS Housing: 304 SS Diaphragm: Ceramic Al ₂ O ₃ 96%
Normal Operating Temperature Range	-13°F to 275°F (-25°C to 135°C)
Compensated Temp. Range	-13°F to 185°F (-25°C to 85°C)
Temp. Effect on Zero/Span	Less than ±0.2% FSO per 10 K
Accuracy	±0.25% FSO BFSL
Stability	Vibration: 10g RMS (20-2,000 Hz) Shock: 100g/11ms
Enclosure Rating	NEMA 4/IP65
Amp. Draw	0.02 amps @ full scale
Sensor	Ceramic

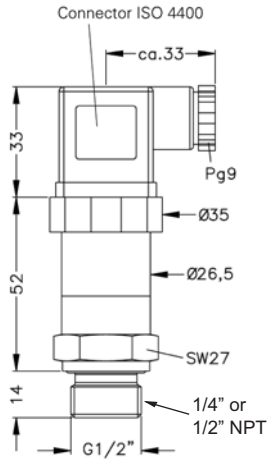
Order Codes

Range	Permissible Overpressure	Code
Vac	44 psi	LIS382
0-15 psi	44 psi	LIS383
0-20 psi	102 psi	LIS384
0-35 psi	102 psi	LIS385
0-60 psi	174 psi	LIS386
0-85 psi	174 psi	LIS387
0-145 psi	363 psi	LIS388
0-230 psi	725 psi	LIS389
0-360 psi	725 psi	LIS390
0-580 psi	1,740 psi	LIS391
0-870 psi	1,740 psi	LIS392
0-1,500 psi	3,626 psi	LIS393
0-2,300 psi	7,252 psi	LIS394
0-3,600 psi	7,252 psi	LIS395
0-5,800 psi	8,702 psi	LIS396
0-8,700 psi	10,878 psi	LIS397

LIS Intrinsically Safe Transmitter

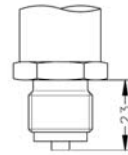
Mechanical Connection

Standard

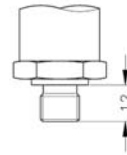


G1/2" DIN 3852
M20x1.5

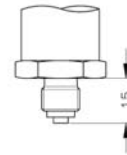
Option



G1/2" EN 837
M20x1.5



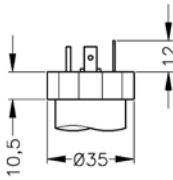
G1/4" DIN 3852
M10x1; M12x1; M12x1.5
(up to 100 bar)



G1/4" EN 837

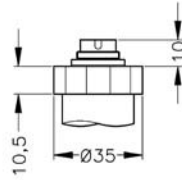
Electrical Connection

Standard

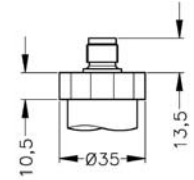


ISO 4400 (IP 65)

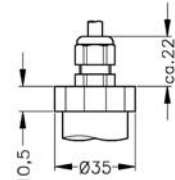
Option



Binder Series 723 (IP 67)

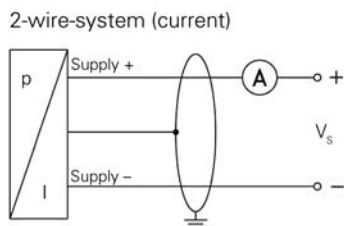


M12x1 4-pin (IP 67)



Cable gland (IP 67)

Wiring Diagram



Note: Measurements are in mm

Series Number (for custom, non-standard product)

	L	I	S	-	-	-	-	-	-	-	-	-	-	-	-
SERIES															
RANGE															
15					1	5									
20					2	0									
35					3	5									
60					6	0									
85					8	5									
145					1	T									
230					2	T									
360					3	T									
580					4	T									
870					5	T									
1500					1	F									
2300					6	T									
3600					7	T									
5800					8	T									
8700					9	T									
30"Hg					V	1									
Custom															
PRESSURE															
Gauge							R								
OUTPUT															
4...20 mA / 2-wire								1							
ACCURACY															
0.25%									8						
Custom									9						
ELECTRICAL CONNECTION															
Male and female plug ISO 4400										1	0				
Cable gland incl. cable *										4	0				
M12x1 (4-pin)										M	1				
DIN										D	N				
Custom										9	9				
MECHANICAL CONNECTION															
G1/4" DIN 3852											3	0			
1/4" NPT											N	4			
Custom											9	9			
SEALS															
For Pn<1400 psi / FKM														1	
For Pn >1400 psi / NBM														5	
Custom														9	
SPECIAL															
Standard															S
Custom															C

* different cable types and lengths available; standard: 2m PVC cable without ventilation tube, optional cable with ventilation tube