



### Description & Features:

- Universal transmitter with a high level of accuracy and stability
- Designed especially for aggressive media
- Rugged stainless steel construction with ceramic sensor
- Available ranges include in/Hg up to 8,700 psi
- Wide range of mechanical and electrical connections
- 0.5% FSO accuracy
- NEMA 4X and 6P / IP65, and IP67
- CSA Approved 2 wire, 4-20 mA output
- CE and RoHS compliant
- Approved for outdoor use
- Customizable
- 5 year warranty

### Applications:

- Appropriate for environmental monitoring, machine tool and presses, test equipment and many other applications

### Specifications

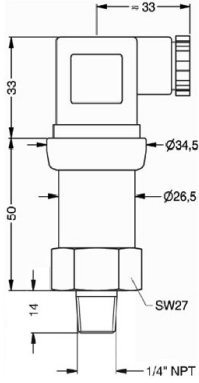
<b>Output Signal</b>	Standard 2-wire: 4-20 mA / Vs = 8-32 Vdc (CSA) I.S. protection: Vs = 14-28 Vdc Optional 3-wire: 0-20 mA / Vs = 14-30 Vdc 0-10 V / Vs = 14-30 Vdc
<b>Accuracy</b>	±0.5% FSO IEC 60770
<b>Permissible Load</b>	Current 2-wire: Rmax = [(Vs - Vs min) / 0.02] Ohm Current 3-wire: Rmax = 500 Ohm Voltage 3-wire: Rmin = 10 kOhm
<b>Influence Effects</b>	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
<b>Response Time</b>	≤10 ms
<b>Thermal Error</b>	≤±0.2% FSO / 10K In compensated range: -13°F to 185°F (-25°C to 85°C)
<b>Permissible Temperatures</b>	Medium: -40°F to 257°F (-40°C to 125°C) Electronics environment: -40°F to 185°F (-40°C to 85°C) Storage: -40°F to 212°F (-40°C to 100°C)
<b>Short-circuit Protection</b>	Permanent
<b>Reverse Polarity Protection</b>	No damage. No function.
<b>Electromagnetic Protection</b>	Emission and immunity according to EN 61326
<b>Stability</b>	Vibration: 10 g RMS (25 to 2,000 Hz) Shock: 500 g / 1 ms
<b>Pollution Degree</b>	4, electrical equipment for outdoor use
<b>Housing</b>	316L SS
<b>Pressure Port</b>	316L SS
<b>Approval</b>	CSA Certified for electrical equipment
<b>Wetted Parts</b>	Seals: P <sub>N</sub> < 1,450 psi: FKM70. Others available. P <sub>N</sub> > 1,450 psi: FKM90. Others available. Diaphragm: Ceramic Al <sub>2</sub> O <sub>3</sub> 96%

### Order Codes

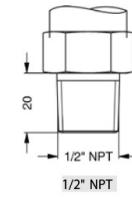
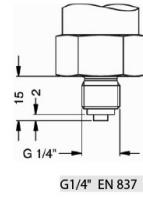
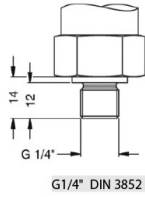
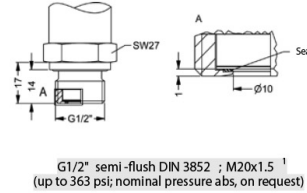
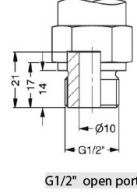
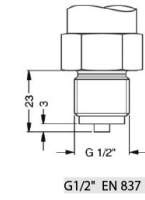
Range	Over-pressure	Burst Pressure	Code
30" Hg Vac	58 psi	102 psi	LIM428
0/15 psi	29 psi	58 psi	LIM429
0/20 psi	58 psi	73 psi	LIM435
0/35 psi	58 psi	73 psi	LIM445
0/60 psi	145 psi	174 psi	LIM447
0/85 psi	145 psi	174 psi	LIM448
0/145 psi	290 psi	363 psi	LIM449
0/230 psi	580 psi	725 psi	LIM450
0/360 psi	580 psi	725 psi	LIM451
0/580 psi	1,450 psi	1,740 psi	LIM452
0/870 psi	1,450 psi	1,740 psi	LIM453
0/1,500 psi	2,901 psi	3,626 psi	LIM454
0/2,300 psi	5,802 psi	7,252 psi	LIM455
0/3,600 psi	5,802 psi	7,252 psi	LIM456
0/5,800 psi	8,702 psi	9,427 psi	LIM457
0/8,700 psi	11,603 psi	12,763 psi	LIM458

## Mechanical Connection

### Standard

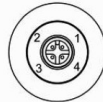
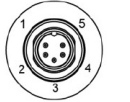
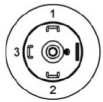
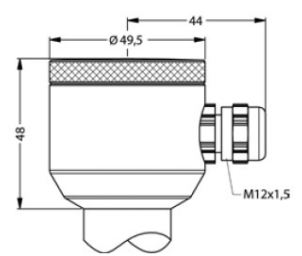
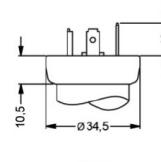
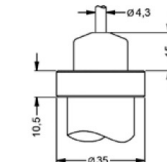
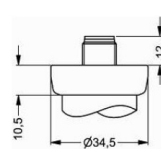
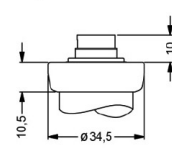
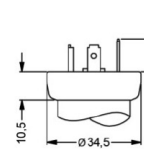


### Optional



## Electrical Connection

### Standard



ISO 4400  
(IP 65)  
(CSA)

Binder Series 723 5-pin  
(IP 67)

M12x1 4-pin  
(IP 67)

cable outlet with PVC cable  
(IP 67)<sup>2</sup>

DIN 43650 A  
1/2" NPTF conduit fitting  
(CSA)

compact field housing  
(IP 67)

## Pin Configuration

Electrical Connection	ISO 4400	Binder 723 (5-pin)	M12x1 (4-pin)	Field Housing	Cable Colours (DIN 47100)
2-wire system	Supply +	1	3	IN +	White
	Supply -	2	4	IN -	Brown
	Ground	Ground pin	5	⏏	Yellow/green (shield)
3-wire system	Supply +	1	3	IN +	White
	Supply -	2	4	IN -	Brown
	Signal +	3	1	OUT +	Green
	Ground	Ground pin	5	⏏	Yellow/green (shield)

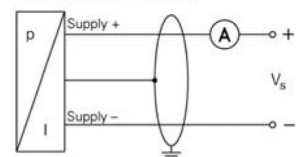
Note: Measurements are in mm

- 1 Possible for nominal pressure ranges  $\leq 360$  psi
- 2 Standard: 2m PVC cable without ventilation tube.  
Optional: Cable with ventilation tube

## Wiring Diagram

### Standard

2-wire-system (current)



### Optional

3-wire-system (current / voltage)

