

**Description & Features:**

- Compact stainless steel construction with stainless steel sensor
- Available in in/H<sub>2</sub>O to 25 psi
- Wide range of mechanical and electrical connections
- ±0.5% accuracy
- NEMA 4X and 6P / IP65, IP67 and IP68
- CE and RoHS compliant
- Customizable
- 1 year warranty

**Applications:**

- Developed for low pressure applications in general industry and OEM applications

**Specifications**

<b>Output Signal</b>	Standard 2-wire: 4-20 mA / Vs = 8-32 Vdc Optional 3-wire: 0-10 V / Vs = 14-30 Vdc Optional 3-wire ratiometric: Vsig = 0.5-4.5 V / Vs = 5 ± 0.5 Vdc
<b>Accuracy</b>	±0.5% FSO
<b>Permissible Load</b>	2-wire: Rmax = [(Vs - Vs min) / 0.02] Ohm 3-wire: Rmin = 10 kOhm
<b>Influence Effects</b>	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
<b>Response Time</b>	2-wire: <10 ms 3-wire: <3 ms
<b>Measuring Rate</b>	1 kHz
<b>Thermal Error</b>	<±0.3% FSO / 10K in compensated range 32°F to 158°F (0°C to 70°C)
<b>Permissible Temperatures</b>	Medium: -13°F to 185°F (-25°C to 85°C) Electronics environment: -13°F to 185°F (-25°C to 85°C) Storage: -40°F to 185°F (-40°C to 85°C)
<b>Short-circuit Protection</b>	Permanent 3-wire ratiometric: None
<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, 25 Hz to 2 kHz according to DIN EN 60068-2-6 Shock: 100 g / 1 ms according to DIN EN 60068-2-27
<b>Pressure Port / Housing</b>	304 SS
<b>Wetted Parts</b>	Seals: FKM (Viton® standard) Diaphragm: 316L SS
<b>Weight</b>	120 g
<b>Current Consumption</b>	2-wire: 25 mA max 3-wire voltage: 5 mA (short-circuit current 20 mA) 3-wire ratiometric: 1.5 mA
<b>CE Conformity</b>	EMC directive: 2004/108/EC

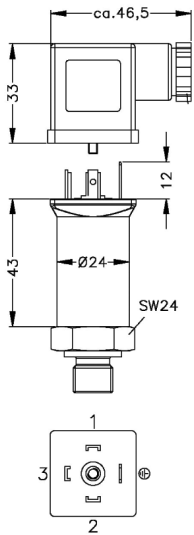
Viton® is a registered trademark of DuPont Performance Elastomers

## Order Codes

Range	Over-pressure	Burst Pressure	Code
0/1 psi (28" H <sub>2</sub> O)	15 psi	22 psi	LLP0001
0/2 psi (55" H <sub>2</sub> O)	15 psi	22 psi	LLP0002
0/3 psi (83" H <sub>2</sub> O)	15 psi	22 psi	LLP0003
0/5 psi (138" H <sub>2</sub> O)	15 psi	22 psi	LLP0005
0/10 psi	44 psi	73 psi	LLP0010
0/15 psi	44 psi	73 psi	LLP0015
0/25 psi	87 psi	145 psi	LLP0025

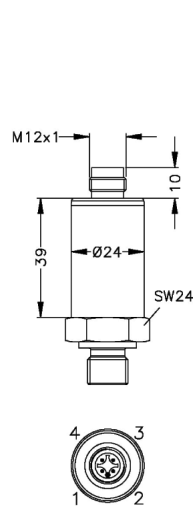
## Electrical Connection

### Standard

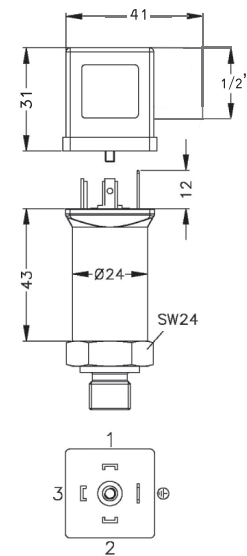


ISO 4400  
(IP 65)

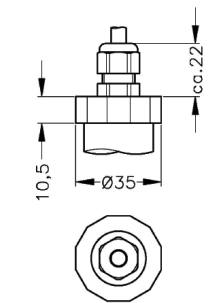
### Optional



M12x1, 4-pin  
(IP 67)



DIN 43650 A  
1/2" NPTF conduit fitting



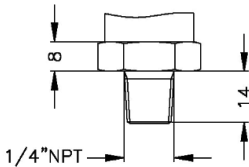
Cable gland (IP 67)<sup>5,6</sup>

5 Different cable types/lengths available

6 Standard: 2m PVC cable without ventilation tube.  
Optional: Cable with ventilation tube

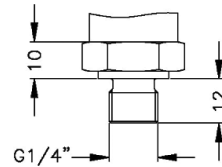
## Mechanical Connection

### Standard



1/4" NPT

### Optional



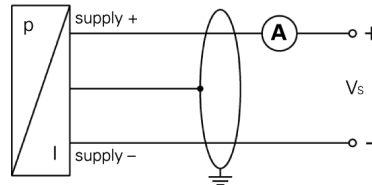
G1/4" DIN 3852

Note: Measurements are in mm

## Wiring Diagram

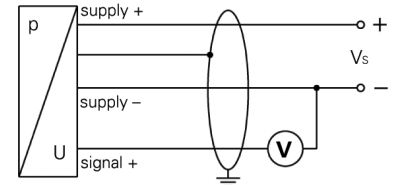
### Standard

#### 2-wire-system (current)



### Optional

#### 3-wire-system (voltage)



Pin Configuration			
Electrical Connection	ISO 4400	M12x1 (4 pin), plastic	Cable Colours (DIN 47100)
Supply+	1	1	White
Supply-	2	2	Brown
Signal+ (for 3-wire)	3	3	Green
Shield	Ground pin	4	Green/yellow