



### Description & Features:

- Developed for use in general industry and OEM applications, where versatility and economy are requirements
- Compact stainless steel construction with ceramic sensor
- Available ranges include in/Hg up to 5,000 psi
- Wide range of mechanical and electrical connections
- $\pm 0.5\%$  accuracy
- NEMA 4X / IP65 and IP67
- CE, CSA and RoHS compliant
- Approved for outdoor use
- Customizable
- 1 year warranty

### Applications:

- Suitable for all process and automation control, hydraulics and pneumatic sensing, pump and compressor monitoring, refrigeration and HVAC

### Specifications

<b>Output Signal</b>	Standard 2-wire: 4-20 mA / $V_s = 8-32$ Vdc Optional 3-wire: 0-10 V / $V_s = 14-30$ Vdc Optional 3-wire ratiometric: $V_{sig} = 0.5-4.5 V_s / V_s = 5 \pm 0.5$ Vdc
<b>Accuracy</b>	$\pm 0.5\%$ FSO
<b>Permissible Load</b>	2-wire: $R_{max} = [(V_s - V_{s\ min}) / 0.02]$ Ohm 3-wire: $R_{min} = 10$ kOhm
<b>Influence Effects</b>	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
<b>Response Time</b>	2-wire: <10 msec 3-wire: <3 msec
<b>Measuring Rate</b>	1 kHz
<b>Thermal Error</b>	$< \pm 0.5\%$ FSO / 10K
<b>Permissible Temperatures</b>	Medium: $-13^\circ\text{F}$ to $257^\circ\text{F}$ ( $-25^\circ\text{C}$ to $125^\circ\text{C}$ ) Electronics environment: $-13^\circ\text{F}$ to $185^\circ\text{F}$ ( $-25^\circ\text{C}$ to $85^\circ\text{C}$ ) Storage: $-40^\circ\text{F}$ to $185^\circ\text{F}$ ( $-40^\circ\text{C}$ to $85^\circ\text{C}$ )
<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: 500 g / 1 msec according to DIN EN 60068-2-27
<b>Pollution Degree</b>	4, electrical equipment for outdoor use
<b>Pressure Port / Housing</b>	304 SS
<b>Wetted Parts</b>	Seals: FKM (Viton® standard). Others available upon request. Diaphragm: Ceramic $\text{Al}_2\text{O}_3$ 96%
<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>Long-term Stability</b>	$< \pm 0.3\%$ FSO/yr at reference conditions
<b>Operation Life</b>	$> 100 \times 10^6$ cycles
<b>CE Conformity</b>	EMC directive: 2004/108/EC Pressure equipment directive: 97/23/EC (module A). Valid for devices with max permissible overpressure $> 3,000$ psi

Viton® is a registered trademark of DuPont Performance Elastomers

## Order Codes (products in bold are normally in stock)

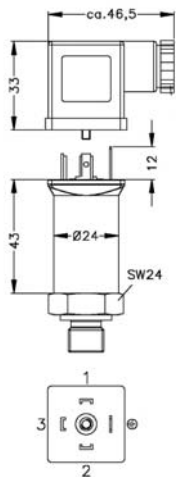
Range	Overpressure	Burst Pressure	Code
30" Hg Vac	15 psi	44 psi	<b>LE330VC</b>
0/15 psi	15 psi	44 psi	<b>LE315</b>
0/25 psi	58 psi	102 psi	LE325
0/50 psi	58 psi	102 psi	<b>LE350</b>
0/60 psi	145 psi	218 psi	<b>LE360</b>
0/100 psi	145 psi	218 psi	<b>LE3100</b>
0/150 psi	290 psi	508 psi	<b>LE3150</b>
0/200 psi	580 psi	1,015 psi	<b>LE3200</b>
0/300 psi	580 psi	1,015 psi	<b>LE3300</b>
0/500 psi	1,450 psi	2,176 psi	<b>LE3500</b>
0/1,000 psi	1,450 psi	2,176 psi	LE31000
0/2,000 psi	2,901 psi	3,626 psi	LE32000
0/3,000 psi	5,802 psi	6,527 psi	<b>LE33000</b>
0/5,000 psi	5,802 psi	6,527 psi	LE35000

Note: Other connections available upon request

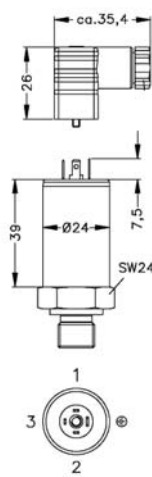
## Electrical Connection

### Standard

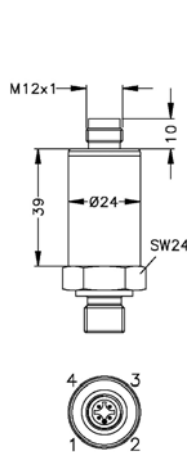
### Optional



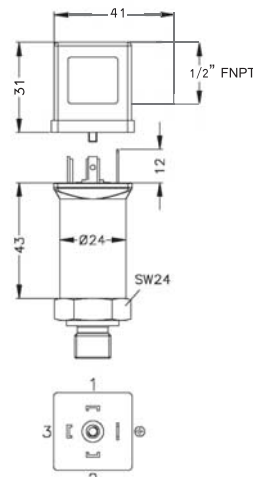
ISO 4400  
(IP 65)



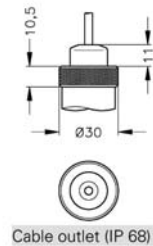
Micro, contact  
distance 9.4 mm (IP 65)



M12x1, 4-pin  
(IP 67)



DIN 43650 A  
1/2" NPTF conduit fitting

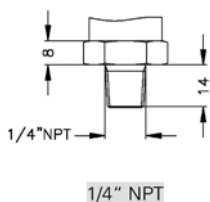


Cable outlet (IP 68)<sup>5</sup>  
<sup>5</sup> Different cable  
types/lengths available

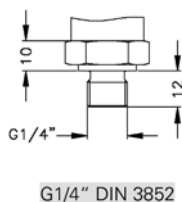
## Mechanical Connection

### Standard

### Optional



1/4" NPT



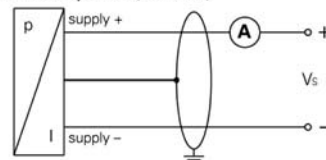
G1/4" DIN 3852

## Wiring Diagram

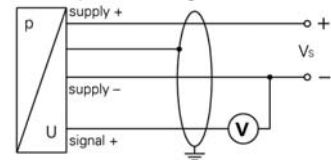
### Standard

### Optional

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



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



Note: Measurements are in mm

## Pin Configuration

Electrical Connection	ISO 4400	Micro (contact distance 9.4mm)	M12x1 (4 pin), plastic	Cable Colours (DIN 47100)
Supply+	1	1	1	White
Supply-	2	2	2	Brown
Signal+ (for 3-wire)	3	3	3	Green
Shield	Ground pin	Ground pin	4	Green/yellow