

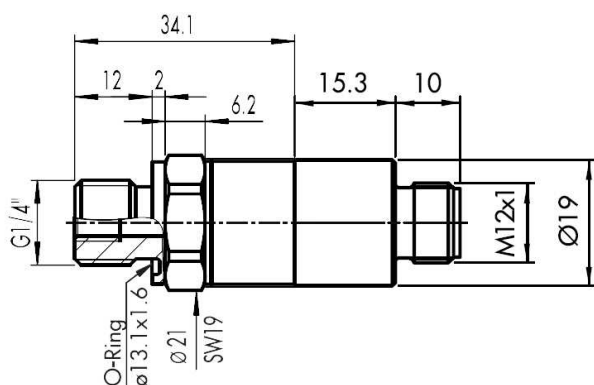


# NSL

Low pressure transmitter



## Dimensions



## Pressure ranges

Range (BAR)	Max. overpressure	Max burst pressure
0 ... 0,2	1,2	2,5
0 ... 0,4	1,2	2,5
0 ... 0,6	1,5	2,5
0 ... 1,0	2,0	2,5
0 ... 1,6	3,5	8,0
0 ... 2,5	5,0	8,0

## Technical data

### MAIN CHARACTERISTICS

Sensor: Thin film on steel, completely welded steel sensor system without additional seals  
 Measuring range: 0...0.2 to 0...2.5 bar relative  
 Signal output: 4...20mA, 0...10VDC, 0...5VDC  
 NLH (BSL through 0): ± 0.2 % FS typ.  
 Applications: Engine manufacturing, Water treatment, Machine tools, Test benches, Process technology

### ELECTRICAL DATA

Output/Supply voltage: 4...20 mA: 24 (9...32) VDC  
 0...5 VDC: 24 (9...32) VDC  
 0...10 VDC : 24 (15 ...32) VDC  
 Rise time: typ. 1 ms/10...90% nominal pressure  
 Switch-on delay: 1 sec

### ENVIRONMENTAL CONDITIONS

Operating temperature: -40...+125°C  
 Media temperature: -40...+125°C  
 Protection: min. IP65  
 Humidity: max. 95% relative  
 Vibration: 25g (20...2000 Hz)  
 Shock: 100g/11 ms

### EMC PROTECTION

Emission: EN /IEC 61000-6-4  
 Immunity: EN /IEC 61000-6-2

### MECHANICAL DATA

Material Sensor: 1.4542 (AISI630)  
 Housing: 1.4301 (AISI304)  
 Process connection: G1/4"  
 O-Ring: FKM  
 Mounting torque: 25 Nm  
 Weight: appr. 50 g

## Electrical wiring

Protection	IP65	IP67
Execution	Industrial standard	M12x1+ shielded 4-pol. cable
Output		
<p><b>4-20mA</b></p>	2 1 	1 <b>Brown</b> 3 <b>Blue</b> 4 <b>Black</b>
<p><b>0-10Vdc, 0-5Vdc, 1-6Vdc</b></p>	1 2 3 	1 <b>Brown</b> 2 <b>White</b> 3 <b>Blue</b> 4 <b>Black</b>



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