



# DPS-L

## Differential Dry Air

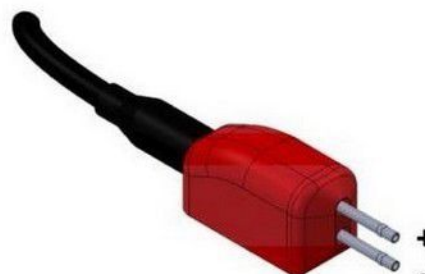
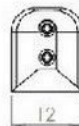
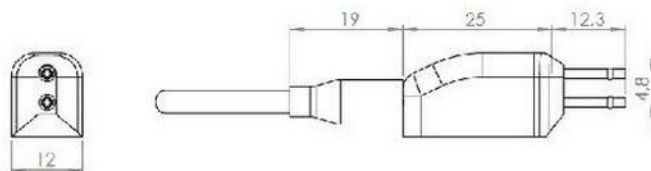
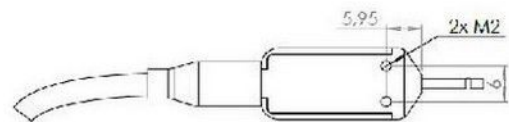
### Low Pressure Sensor

**Warning:**

- Do not blow into the pressure ports, with the mouth or an air line
- The sensor withstands high humidity, but there is a risk of obstruction if water enters into the tubes
- Beware of condensation at low temperature

Measurement		
Range	-190 to +190	mbar
Accuracy	Unidirectional	2
	Bidirectional	1
Offset	Unidirectional	0.5 ± 0.1
	Bidirectional	2.5 ± 0.1
Sensitivity	Unidirectional	4
	Bidirectional	2
Offset Drift (from 0 to 80°C)	20	mV
Sensitivity Drift (from 0 to 80°C)	1	% FS
Calibrator	Mensor CPC 4000	
Electrical features		
Supply Voltage	5 to 16	V
Supply Current	2	mA
Output Voltage	0-5	V
Output Impedance	47	Ω
Mechanical features		
Dim	57 x 12 x 14	mm
Weight	22	g
Material	Aluminium	
Common		
Protection	IP 64	
Proof Pressure	15x	FS
Vibration test	20 Gpp 5'	
Shock	500	G
Operating Temp	0 to +85	°C
Storage Temp	-20 to +125	°C

Calibration table (example)				
Range	At 0.5V	At 2.5V	At 4.5V	sensitivity
Mbar-Mode	mbar	mbar	mbar	mV/mbar
50-U	0	25	50	80.00
50-B	-50	0	50	40.00
70-U	0	35	70	57.14
70-B	-70	0	70	28.57
76-U	0	38	76	52.63
76-B	-76	0	76	26.32
100-U	0	50	100	40.00
100-B	-100	0	100	20.00
190-U	0	95	190	21.05
190-B	-190	0	190	10.53


**Ordering ref:**
**DPS-L-Range-Mode**

50: 50mbar  
70: 70mbar  
76: 76mbar  
100: 100mbar  
190: 190mbar

U: Unidirectional  
B: Bidirectional

Ex: DPS-L-76-B