



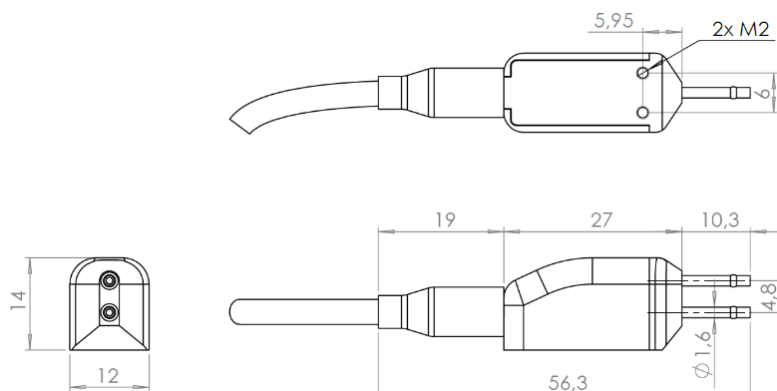
DPS-L

Differential Dry Air Pressure Sensor

Range	50 to 350		mbar
	0.725 to 5.076		Psi
Accuracy	Unidirectional	2	%FS
	Bidirectional	1	
Offset	Unidirectional	0.5 ± 0.1	V
	Bidirectional	2.5 ± 0.1	
Sensitivity	Unidirectional	4 ± 0.04	V/FS
	Bidirectional	2 ± 0.02	
Offset Drift (from 0 to 80°C)	20		mV
Sensitivity Drift (from 0 to 80°C)	1		% FS
Cut off frequency at -3dB	200		Hz
Calibrator	Mensor CPC 4000		
Supply Voltage	6 to 16		V
Supply Current	2		mA
Output Voltage	0...5		V
Output Impedance	47		Ω
Dim	56.3 x 12 x 14		mm
Weight (without cable)	13		g
Material	Aluminium		
Protection	IP 64		
Proof Pressure	>1300		mbar
Vibration test	20 Gpp 5'		
Shock	500		G
Operating Temp	0 to +85		°C
Storage Temp	-20 to +125		°C

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Mechanical drawing



Ordering Information

Ordering ref:

DPS-L – Range mbar- Offset

50	0.5 (unidirectional) 2.5 (bidirectional)
70	
76	
100	
190	
350	

ex: DPS-L-50-0.5

Warning:

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