



* contact us for additional details and ordering ref

8xMPS Aero Pressure Sensor

Lightweight high accuracy aerodynamics sensor

Built around a Texense bespoke designed Piezo resistive element, this 8-channel differential and/or absolute pressure sensor brings high accuracy in a compact housing. Particular developments allow us to achieve a very low noise level and optimal temperature compensation.

Differential Pressure

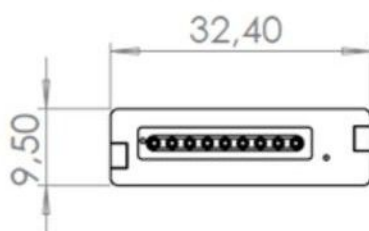
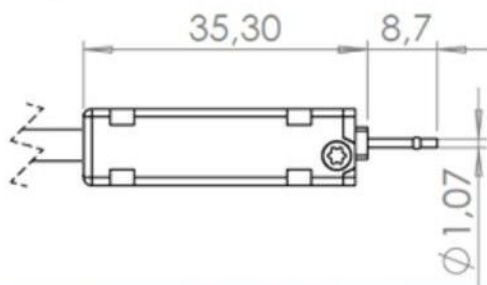
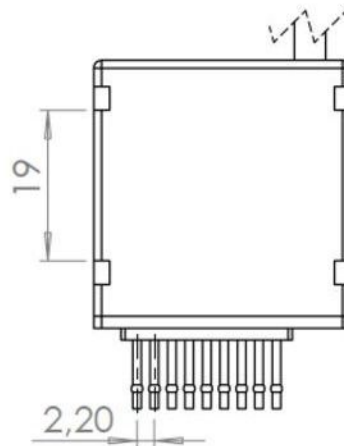
Range	-400 to +400 mBar
Bespoke ranges available for higher accuracy, ex:	-300 to 0 mBar
Resolution +/- 250 mBar	0.01 mBar
Typical accuracy -300 to 0 mBar (5 to 105°C)	0.4 mBars
No pressure line effect	
Zero repeatability	0.05 mBar
Very low noise	0.003 mBar at 10Hz, 0.010 mBar at 200 Hz
Max difference between channels	0.1 mBar

Absolute Pressure

Range	600 to 1200 mBar
Resolution	0.01 mBar
Typical accuracy (5 to 105°C)	1 mBar

General Specifications

Supply	6 to 30 V
Supply current (at 12V)	20 mA
Sampling rate	800 Hz
Analog filter cut off frequency (custom cut of frequency on request)	200 Hz
Temperature compensation	up to 105°C
CAN output	2.0 A or B
Weight	20 g



In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document.