



# 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

