

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

Bespoke ranges available for higher accuracy, ex:

Resolution +/- 250 mBar

Typical accuracy -300 to 0 mBar (5 to 105°C)

No pressure line effect

Zero repeatability

Very low noise

Max difference between channels

-400 to +400 mBar

-300 to 0 mBar

0.01 mBar 0.4 mBars

0.05 mBar

0.003 mBar at 10Hz, 0.010 mBar at 200 Hz

0.1 mBar

Absolute Pressure -

Range Resolution

Typycal accuracy (5 to 105°C)

600 to 1200 mBar 0.01 mBar 1 mBar

General Specifications

Supply

Supply current (at 12V)

Sampling rate

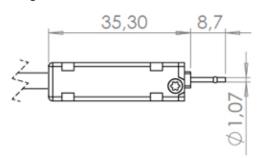
Analog filter cut off frequency (custom cut of frequency on request)

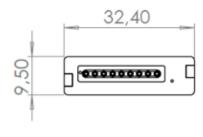
Temperature compensation

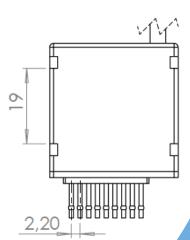
CAN output

Weight

6 to 30 V 20 mA 800 Hz 200 Hz up to 105°C 2.0 A or B 20 g







TEXYS INTERNATIONAL

ZA des Chamonds Rue Edouard Branly 58640 Varennes-Vauzelles (FRANCE)

Tel : +33 (0) 386 21 27 18 Fax : +33 (0) 386 21 24 49