

# Safran Colibrys



Motion sensing should be flawless, wherever and whatever your project might be. Safran Colibrys sensors ensure non-disruptive and accurate acceleration and vibration measurements in harsh environments and safety-critical applications. Our customers chose Safran Colibrys accelerometers to design safety-critical aerospace applications, as well as energy, industrial and railways systems.

[www.colibrys.com](http://www.colibrys.com)

Based on Safran Colibrys' 25-year bulk MEMS development and production expertise, MEMS sensors are designed for accuracy and long term reliability. Our design and production facilities are based in Switzerland. More than a manufacturer of high-end sensors, Safran Colibrys is a proven partner for those, who demand high-tech marvels with reliable supply and quality.

## MS1000 ACCELEROMETER



Low cost, high performance, capacitive bulk MEMS accelerometer. Reliable in harsh environments,

- ◆ ±2g to ±100g measurement range options,
- ◆ 1 axis measurement,
- ◆ <0.3% Non-Linearity,
- ◆ 7µg to 339µg RMS resolution,
- ◆ <10mrad misalignment,
- ◆ 3µg to 150µg in run bias stability,
- ◆ 7µg/√Hz to 339µg/√Hz Low Noise,
- ◆ LCC20, hermetically sealed package.

## SI1000 MEMS SEISMIC ACCELEROMETER



SI1000 is a high-end capacitive MEMS accelerometer specially designed for Strong Motion Class B seismic measurements.

Thanks to extremely 0.7 µg/√Hz low noise, low power, wide frequency response, small sized (LCC20) hermetically sealed package, SI1000 guarantees very accurate and stable seismic measurements, requiring neither recalibration nor maintenance during the lifecycle of the system.

## MS1000LA MEMS ACCELEROMETER



The MS1000L product is a MEMS capacitive accelerometer based on a bulk micro-machined silicon element specifically designed for highest stability.

The product is low power, fully calibrated, robust up to 6000 g and extremely stable.

Free-of-export control, MS1000L is the best compromise between cost, performance and reliability.

## TS1000T INCLINOMETER



- ◆ High reliability & performance-cost ratio,
- ◆ ±2g or ±10g full scale acceleration 1 axis measurement,
- ◆ 0.1° or 0.5° angular accuracy,
- ◆ <0.3% Non-Linearity,
- ◆ 7µg or 34µg RMS resolution,
- ◆ <10mrad misalignment,
- ◆ 4µg or 20µg in run bias stability,
- ◆ 7µg/√Hz or 34µg/√Hz Low Noise,
- ◆ LCC20 ceramic hermetically sealed package.

## VS1000 VIBRATION SENSOR



VS1000 is a high end capacitive MEMS accelerometer, designed for vibration measurements from DC to medium frequencies,

- ◆ ±2g to ±200g full scale acceleration,
- ◆ 1 axis measurement,
- ◆ 1'150Hz to 7'000Hz Frequency range (±3dB),
- ◆ <0.3% Non-Linearity,
- ◆ 13.5mV/g to 1'350mV/g Scale Factor,
- ◆ 6'000g Shock Survivability,
- ◆ 7µg/√Hz to 678µg/√Hz Low Noise LCC20 ceramic hermetically sealed package.

## MS9000 ACCELEROMETER



The MS9000 is a fully calibrated bulk capacitive accelerometer, specially designed for high performance inertial measurements.

- ◆ ±1g to ±200g measurement range options,
- ◆ 1 axis measurement,
- ◆ <1% Non-Linearity,
- ◆ <11mg to <0.1mg resolution,
- ◆ <10mrad misalignment < 22mg (typ. @ 6'000G) one year bias stability,
- ◆ 18µV/√Hz Low Noise,
- ◆ LCC20 ceramic hermetically sealed package.