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Smart Sensing Solutions

Colibrys is a world-leading supplier of high-performance MicroNanoTechnology (MNT) proprietary motion sensors and custom products or developments for advanced civilian and military applications. Since its formal founding in 2001 and thanks to its successful involvement in various defence programs, Colibrys has the expertise and knowledge required to supply adequate high-end products to these very demanding markets.

Colibrys offers to the market a wide range of standard Silicon MEMS accelerometers compatible with harsh environmental conditions such as extreme shock amplitudes (more than 20'000g), high level of vibrations or extreme temperatures.

Inertia: Colibrys accelerometers are ideal where high performance over a long period of life is required. The MS8000.C series, available from $\pm 2g$ to $\pm 100g$, can be combined with high shock option when required (HS8000.C). They are perfect products for applications such as AHRS (Altitude and Heading Reference System) or IMU (Inertial Measurement Units) required for avionics, smart munitions, UAVs or missiles, as well as for terrestrial guidance applications.

Vibration: Colibrys products can also be used to measure vibrations. Adequate frequency response and low signal to noise ratio allow reliable measurements. Colibrys products can satisfy a multitude of applications such as HUMS (Health and Usage Monitoring System) or vibration level monitoring on aircraft, missiles or launchers. Very low noise products (SiFlex™ series) can also be used for seismic and building monitoring, perimeter security, unattended ground sensors or monitoring of nuclear non proliferation treaties.

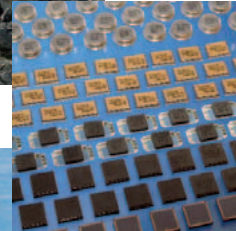
Tilt: Thanks to their DC response, low temperature coefficient and low power consumption, MEMS accelerometers are best to measure angles very precisely.



Smart munitions



Anti-tank missiles



AHRS in civilian aircraft

MS8000.C products are available from the shelf for applications such as intelligent warriors, antenna or platform stabilization, range finding, submarine orientation and many others.

Thanks to the inherent robustness and small size of the MEMS technology, its engineering excellence and industrial capability, Colibrys is your best partner for OEM motion sensors you will need in your applications.