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## Press release

Neuchâtel, Switzerland, 26 May 2009.

### **Colibrys launches world's best open-loop MEMS accelerometer displacing traditional high cost, fragile solutions.**

*New accelerometer RS9010 will be presented at Sensor + Test Nuremberg, 26-28 May 2009 (booth #12-428) and at Sensors Expo Rosemont, IL, 8-10 June 2009 (booth #1104).*

**Colibrys confirm launching today the IRIS™ accelerometer family, world's best open-loop MEMS accelerometer, to displace traditional vibrating quartz and electromechanical solutions. MEMS establishes a new competition to historical high-end motion sensors, as typically offered by Honeywell, by pushing the boundaries of its performances, offering higher robustness at reduced cost in safety critical and harsh environment applications.**

The first product released based on IRIS™ technology is RS9010.A. This  $\pm 10g$  sensor specifically designed for AHRS (Attitude Heading and Reference Systems) and mid accuracy navigation application offers an order of magnitude improvement over existing leading MEMS technology and now seriously compete with traditional vibrating quartz and electromechanical solutions. This product uses an open loop electronic interface, specifically designed for long term stability. The enhanced sensor design provides an overall composite repeatability of bias better than  $1.5mg$  ( $1\sigma$ ) for  $\pm 10g$  and a scale factor repeatability of 500ppm ( $1\sigma$ ). The vibration rectification coefficient is  $150\mu g/g^2$ .

"RS9010 will enable the AHRS designers to obtain excellent performance at reduced cost while benefitting from the inherently rugged MEMS sensor, which open new application opportunities and simplifies sensor handling during the manufacturing process" commented Soheil Habibi, Business Development Manager for Colibrys inertial sensors.

He added further "IRIS™ is a big step forward in realizing our vision to commercializing  $\mu g$  stability accelerometers with high shock resistance and high operating temperature, displacing the established vibrating quartz and electromechanical solutions. We believe that in near future, we will have  $\mu g$  stability accelerometers and high stability gyros based on MEMS technology, enabling a wide range of existing and new applications in the Defense and Aerospace markets"

#### **About Colibrys**

Colibrys is a world-leading supplier of standard and semi-custom MEMS based motion sensors to the harsh-environments (Military, Aerospace and Energy) and safety critical (Industrial and Instrumentation) applications. Colibrys family of motion sensors includes extremely low noise, shock resistant seismic sensors, high stability high shock inertial accelerometers and DC coupled capacitive vibration sensors. Colibrys is based in Neuchâtel, Switzerland. Website: [www.colibrys.com](http://www.colibrys.com).

#### **About MEMS Technology**

MEMS (Micro-Electrical-Mechanical Systems) are highly miniaturized devices that can realize a number of physical sensing functions including fluidics, optics and mechanics on a silicon chip using techniques similar to traditional integrated circuit process technology. MST (Microsystems) merge these sensing and or actuating functions combining them with electronic signal process chips to create highly miniaturized systems that enable enhanced levels of perception, control and performance.

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