

A small cube with a lot inside

ASC presents new triaxial acceleration sensor

Ingolstadt, 29 Oktober 2008 – ASC Advanced Sensors Calibration presents a new piezo-resistive sensor. The cube-shaped ASC 76C1 enables acceleration measurement in all three axes with an edge length of only 16 mm. The leading manufacturer of high quality acceleration sensors has adapted this sensor especially to the requirements of crash tests.

With a measurement range of 500-1000 g, in addition to its minute size and weight, the newest product made by the specialists from Ingolstadt is extremely suitable for all applications in which large acceleration forces occur. Examples of these are crash and comfort tests in vehicles and wing surface tests in aircraft. The sensor element used is provided with mechanical overload protection and therefore has extremely high shock resistance.

"With this sensor, we've managed to combine highly precise measurements in all three axes with an extremely compact cube form. The product has fulfilled both our expectations and those of the participating customers in all tests" according to Peter Bay, managing director of ASC.

Thanks to its cube shape, the sensor can be applied flexibly in a wide range of positions. In order to withstand extreme conditions, the sensor is additionally fitted with a hard-wearing aluminium housing and an exceptionally robust polyurethane cable. As for all its products, ASC can implement customer-specific cable arrangements and plug solutions. In addition, the company offers extensive services for servicing the sensors including maintenance, repairs and calibration. Each sensor element can be individually replaced for all ASC products.

In addition to the ASC 76C1 the company is also presenting a second new development. The ASC 3511 has the same cube shape, but in this case it is a capacitive uni-axial sensor which stands out due to its measurement sensitivity during the absolute minimum in acceleration.



ASC GmbH:

ASC is a leading manufacturer of high quality acceleration sensors and offers an extensive product portfolio of capacitive and piezo-resistive sensors. Since the sensors are extremely robust, shockproof and heat resistance, they can be used by the automobile industry, agricultural, aerospace and geophysics industries in a wide range of applications. Well-known customers already using ASC products include BMW, Audi, Daimler, Porsche, MAN, Temsa, VW Shanghai and Fendt.

The company, based in Ingolstadt, uses customer-specific production in Germany to ensure quality and customer nearness. In addition, the company offer services such as maintenance, repair and calibration both for its own and third-party products. In addition to this, ASC is the exclusive sales outlet for Honeywell acceleration sensors in addition to gyro sensors made by the US company Systron Donner for Germany, Austria and Switzerland.

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