



## **FOR IMMEDIATE RELEASE – 21 July 2008**

### **Sherborne Sensors launches A700 range of highly accurate, shock resistant, cost effective, solid state linear accelerometers**

**Sherborne Sensors, a world leading company in the design and manufacture of superior precision force transducers, accelerometers and inclinometers, today launched its new A700 range of ground breaking solid state accelerometers that offer superb accuracy in a highly robust, miniature and cost effective package.**

The new A700 range of miniature solid state accelerometers measure vector acceleration with outstanding accuracy. A micro-machined piezo-resistive strain gauge bridge silicon sensor is employed that incorporates an air damping feature. Unlike fluid damped devices, air damping is essentially independent of temperature. The units are fully compensated for the effects of temperature on both sensitivity and zero. The transducer incorporates positive mechanical stops in an aluminium housing that confers it with tremendous shock resistance.

Sherborne Sensors has designed the A700 series to offer servo-accelerometer performance in a package that weighs less than 50g and costs little more than a traditional product. The launch models are the single axis A710-0001 and A710-0101 and the dual axis A720-0001 and A720-0101. These are available in ranges from  $\pm 0.5g$  to  $\pm 5g$ . The -0101 variants are supplied with a characteristic error correction equation to give accuracies better than  $\pm 1$ milli g.

The A700 range is ideally suited to a applications such as data acquisition systems, crash recorders, fatigue life monitoring and prediction; monitoring and controlling deceleration in mass transit systems; road bed analysis and fault detection equipment for high speed railways; military and civil flight simulators; autopilots and low frequency vibration monitoring.

Mike Baker, Managing Director of Sherborne Sensors explained: "Our new A700 range was designed at the request of our customers who required a product with servo-accelerometer performance but for use in applications involving high vibration and shock. Through our innovative use of solid state technologies the resulting design has such a small form factor and is priced so cost competitively that we now expect it will replace many other traditional uses of servo-accelerometers across a broader range of applications than it was originally designed for."

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### Optional Panel or Box Items



**Sherborne Sensors – A700-0101 Accelerometer**

## NOTES TO EDITORS

Sherborne Sensors design and manufacture superior precision force transducers, accelerometers and inclinometers that are in use throughout the world. The company's depth of engineering expertise and sound commercial judgement support the delivery of the most complex of customer projects.

Sherborne Sensors proves its passion for setting increasingly higher standards of service within the industry through its unique on-line order tracking facility; delivery guarantee; comprehensive warranty and in-house laboratory for the meticulous calibration of sensors to traceable standards.

The company operates globally from its premises in Basingstoke, United Kingdom and has a customer base of world-leading companies.

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