



**New Product Announcement  
For Immediate Release**

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## **Sherborne Sensors New A545 Series Solid State Linear Accelerometers Provide Precision Single, Biaxial or Triaxial Measurement Capabilities**

**January 25, 2010** - Sherborne Sensors ([www.sherbornesensors.com](http://www.sherbornesensors.com)), a global leader in the design, manufacture and supply of inclinometers, accelerometers, force transducers, load cells, rotary encoders, instrumentation and accessories for industrial, military and aerospace customers, has introduced the A545 series, a range of single, biaxial and triaxial solid state linear accelerometers, designed to measure acceleration and deceleration within demanding environments, and within the same, compact package size.

Available in ranges from  $\pm 2$  to  $\pm 500g$ , **A545 series** accelerometers feature an advanced MEMS sensor, incorporating air damping. Unlike fluid-damped devices, air damping is essentially independent of temperature, which enables the transducer to reliably perform over a wide temperature range. Sensors are fully compensated for temperature effects on both sensitivity and zero, and incorporate positive mechanical stops. Housed within a robust, lightweight, (less than 40 gm), durable light alloy package with solder pin connectors, the **A545 series** confers excellent shock resistance, and provides reliable over-ranging protection. The **A545 series** is designed to operate from an unregulated DC power source and have useable frequency responses from DC to several kHz.

Typical applications for the **A545 series** include data acquisition systems, crash testing, fatigue life monitoring and prediction, low-frequency vibration analysis, and structural surveying. Custom designed units can also be manufactured and tested to conform to specific requirements. All **A545 series** accelerometers are 100% tested and calibrated at the factory prior to shipment, and are accompanied by a two-year comprehensive warranty. A545 accelerometers are also part of the new Sherborne Sensors Guaranteed On-Time Delivery program.

Sherborne Sensors **A545 series** accelerometers have the added benefits of ISO9001: 2000 certified manufacturing, extensive applications engineering support, global technical sales presence, repair, refurbishment and calibration services, stocking programs, and continuous product improvements. For additional details, drawings and specifications, please contact **Sherborne Sensors** toll-free (in the US & Canada) at (877) 486-1766 [nasales@sherbornesensors.com](mailto:nasales@sherbornesensors.com) or on +44 (0) 870 444 0728 [sales@sherbornesensors.com](mailto:sales@sherbornesensors.com) (rest of world), or by visiting [www.sherbornesensors.com](http://www.sherbornesensors.com).

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**About Sherborne Sensors:**

Sherborne Sensors is a global leader in the design, manufacture and supply of high-precision inclinometers, accelerometers, force transducers and load cells, rotary encoders, instrumentation and accessories for industrial, military and aerospace customers. Products offered under the Sherborne Sensors brand are renowned for their ultra-reliability and long-life precision within critical applications. Recent acquisition of synergistic technologies by Sherborne Sensors within our inclinometer and force and load cell offerings has allowed customers to benefit from expanded product lines, with added benefits of engineering support, global sales presence, repair, refurbishment and calibration services, stocking programs, and continuous product improvement.