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Product Announcement for Immediate Release

Rugged High Bias Stability Accelerometer LSXH-600

June 1, 2009, Manchester, NH – Ideal for 5g applications, the LSXH-600 accelerometer from Jewell Instruments sets a new standard for rugged, inertial sensing instruments, utilizing time proven servo technology to achieve exceptionally stable bias for sensing accelerations in the range of $\pm 0.5g$ to $\pm 10g$ full range. The LSXH-600 provides bias thermal sensitivity of better than $25\mu g/^{\circ}C$, an initial bias setting accuracy of less than 5mg and vibration rectification under $50\mu g/g^2$. These highly accurate units offer precise high output level readings at frequencies nominally from DC to 100 Hz.

The LSXH-600 housing is machined from solid aluminum, making it ideal for the most demanding applications requiring protection from the elements. This versatile accelerometer is the latest generation of Jewell force balance acceleration sensors that have proven effectiveness while used in aerospace, construction, weapons platforms and railway applications for decades. Compared to MEMS technology, Jewell has once again widened the gap and improved on our distinct performance advantages.

The LSXH-600 has a nominal acceleration input of $\pm 5g$, full range output of ± 5.0 VDC and 100 Ohms output impedance. The scale factor is calibrated to better than 0.10% and nonlinearity is less than 0.05% of full range. Full range inputs from $\pm 0.5g$ to $\pm 10g$ are available. The LSXH is shock rated to 1500g, 0.5 msec, 1/2 sine, and it is sealed to MIL-STD 202, Method 112.

For more information call 603-669-6400, FAX 603-669-5962, or visit our website at: www.jewellinstruments.com or write Jewell Instruments, LLC, 850 Perimeter Road, Manchester, NH 03103.