

# The 330400 Accelerometer provides solutions for gearbox owners

by *Paul Shklovitz*  
Marketing Specialist  
Bently Nevada Corporation

**R**eliable, high-frequency vibration monitoring is essential to detect gear-related problems. A combination of proximity probe and seismic acceleration measurements is used to completely instrument and diagnose today's industrial gearboxes. Bently Nevada's 330400 Accelerometer is a reliable, rugged and cost-effective industrial accelerometer for use in the demanding industrial gearbox environment.

## The 330400 Accelerometer

**Reduce system cost by eliminating the interface module.** The advanced design of the 330400 Accelerometer removes the interface module required with the 23732 Accelerometer System. Elimination of the interface module reduces the number of spare parts maintained in inventory.

**Reduced installation costs.** With the elimination of the interface module, installed system cost is reduced. Installation time is reduced with the reduced parts count and the elimination of a housing.

**It's rugged.** It has a hermetically-sealed, industrial case. Its rugged cable and connector system has a standard MIL-C-5015 connector. The 330400 is more rugged than either our 23732 or 24147 Accelerometers. With no interface module, the chance of improper installa-

tion or a poor connection is reduced.

The 330400 has the CE mark and meets the EMC directive. Having earned the CE mark, the 330400 Accelerometer is designed for application in the harsh and demanding environment of the industrial gearbox.

It has an extended upper frequency response that makes it useful in many gearbox applications. Its frequency response is 10 Hz to 20 kHz  $\pm$  3 dB. The 330400 has a minimum mounted resonant frequency of 30 kHz or greater.

It is compatible with all of our 3300/25 Dual Accelerometer Monitor's full scale options. It is also compatible with our 3300/26 Dual Accelerometer

RMS Monitor and our 2201 Monitor. The 330400 Accelerometer has a sensitivity of 4mV/(mm/s) [100 mv/ (in/s)], and an acceleration output range of 50g's peak.

The 330400 Accelerometer can be used with both our 16925 standard cable and our 16710 armored cable. It can also be used with our 130539 cable, and splash-resistant environmental boot. It comes with a standard 1/4-28 or a metric, threaded M8 X 1 mounting stud.

For more information about the 330400 Accelerometer, and its compatibility with other 3300 and 2201 Monitor options, contact your nearest Bently Nevada sales representative. ■

