

## Radiation Resistant 330530 Velomitor® Sensor

# product overview

### New Sensor Offers Customers a Great Choice for Better Machinery Health and Lasting Protection

For 50 years, no product line has been as synonymous with sensor systems for machinery condition monitoring as GE's Bently Nevada™. That reputation has been built on a tradition of great technology coupled with the finest customer support. Our new radiation resistant Velomitor® sensor combines this tradition of best technology and product support into a product specifically designed for the harsh environments that exist at nuclear power plants for longer life and better performance from the sensors bringing valuable machine information to your plant's monitoring systems.

### Product Application

This sensor is designed to capture machinery measurements in Pressurized Water and Boiling Water Reactor (PWR and BWR) environments for machinery monitoring on pumps, motors and other rotating machinery in these type nuclear radiation environments.

The 330530 Velomitor® is designed to measure absolute (relative to free space) bearing housing, casing, or structural vibration, and is installed with the 3300 XL Series proximity systems for XY radial and axial vibration measurements, which are crucial to identifying changes in bearing condition, rotor unbalance and misalignment.

### Benefits

- Tested and designed to tolerate constant-level gamma radiation for longer life in harsh nuclear plant environments
- Solid-state design and a wide range of mounting adapters for easy installation and service
- Compatible with all Bently Nevada monitors and software systems

- As a case-mounted sensor, it can be used on a large variety of machinery types for reliable vibration measurement
- Enhanced system cabling ensures less signal loss and provides superior insulation

### Features

- Solid-state design with no moving parts
- Gamma radiation tolerant to 3 Mrads (No spike or burst events)
- Temperature operating range of -55 C to +121 C (-67 F to +250 F)
- Tefzel® insulated 18 AWG gauge cabling



To learn more, contact:

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