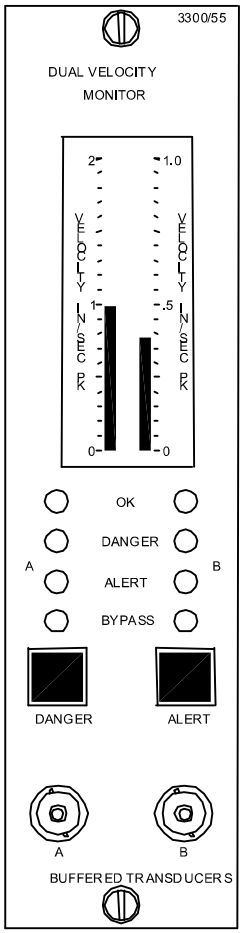
3300/55 Dual Velocity Monitor

Bently Nevada™ Asset Condition Monitoring



Description

The 3300/55 Dual Velocity Monitor provides two channels of continuous on-line machinery vibration monitoring. The monitor accepts inputs from one or two Velomitor® transducers, High Temperature Velomitor Systems (HTVS), or Velocity Seismoprobe® transducers without the need for interface modules.

Flexibility is designed into the Dual Velocity Monitor. Many user-selectable options, such as high- and low-pass filter corner frequency options, can be easily (re)programmed in the field with plug-in jumpers.

⚠ Caution

If housing measurements are being made for overall protection of the machine, thought should be given to the usefulness of the measurement for each application. Most common machine malfunctions (imbalance, misalignment, etc.) originate at the rotor and cause an increase (or at least a change) in rotor vibration. In order for any housing measurement alone to be effective for overall machine protection, a significant amount of rotor vibration must be faithfully transmitted to the bearing housing or machine casing, or more specifically, to the mounting location of the transducer.

In addition, care should be exercised in the physical installation of the transducer. Improper installation can result in a decrease of the transducer amplitude and frequency response and/or the generation of signals that do not represent actual machine vibration.

Upon request, we can provide engineering services to determine the appropriateness of housing measurements for the machine in question and/or to provide installation assistance.