



Bently Nevada 3500 Vibration Monitoring System

Product Description

- The Bently Nevada (BN) 3500 Vibration Monitoring System, the latest vibration system from Bently Nevada, provides continuous, online vibration monitoring suitable for machinery protection applications.
- Assembly consists of the full-size 3500 Rack available in 19" EIA rail-mount, panel-cutout-mount, and bulkhead-mount versions.
- Primary interface to the 3500 Rack for connection to configuration, display, and condition monitoring software is the Rack Interface Module (RIM).
- The 3500/15 Power Supply features line noise filters as standard and can be ordered for AC or DC input power, providing compatibility with voltage sources worldwide.
- Individual alarm and danger settings, as well as instantaneous amplitude readings, are available for each function.
- **BN3500 does not have display unit in the front panel as in the case of BN3300. There are two options:**
 - Display on the existing HMI, which will require software upgrade.
 - Provide Bently Nevada HMI with 3500/94 VGA Display (an option in BOM)

Applicable Units:

LM6000	✓	LM2500	✓
LMS100		LM5000	✓
LM1600	✓	TM2500	

Customer Value

- Reduces non-critical vibration system diagnostic indications trips, noise-driven and transient vibration shutdowns/trips and nuisance vibration alarms/trips during start-up period.
- Virtually every aspect of the BN3500's operation is software configurable, resulting in the most flexible system.
- Easier spare parts management – a single module type can be configured for a variety of functions rather than just a single function.
- Communication between the vibration system and the control system is Ethernet enabled.
- Reduces number of spare parts and support for units with the BN7200, a discontinued product.
- It can easily fit twice as many channels into the same rack space as previous monitoring systems, resulting in lower installation costs by saving valuable cabinet space and spreading common components.



Bently Nevada Vibration System Display

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All values are design or typical values when measured under laboratory conditions.

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