Bently Nevada 3300/55

Complete Product Information

The monitor conditions two velocity inputs and applies field-selectable filtering and alarm logic for machinery-housing vibration protection.

WHAT THIS PRODUCT DOES

Bently Nevada 3300/55 is a two-channel continuous vibration monitor for Velomitor, high-temperature Velomitor or Velocity Seismoprobe transducers.

Product characteristic 1

Accepts one or two velocity-transducer signals.

Product characteristic 2

Supports multiple Bently Nevada seismic transducer families.

Product characteristic 3

Uses selectable filtering for the intended machine response band.

Product characteristic 4

Provides continuous channel status and vibration alarms.

PRODUCT-PAGE TECHNICAL SNAPSHOT

System family	3300 machinery protection
Monitor channels	2
Supported transducers	Velomitor, HTVS or Velocity Seismoprobe
Primary measurement	Velocity vibration

IMPORTANT NOTICE

Record the installed 3300/55 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

System family	3300 machinery protection
Monitor channels	2
Supported transducers	Velomitor, HTVS or Velocity Seismoprobe
Primary measurement	Velocity vibration
Filter control	Field-programmable high- and low-pass corners
Alarm processing	Independent Alert and Danger functions
Operator access	Buffered transducer outputs and status indication
Acceptance method	Verify amplitude, frequency response and alarm action on both channels

FEATURE INTERPRETATION

Product identity

Accepts one or two velocity-transducer signals.

System role

Supports multiple Bently Nevada seismic transducer families.

Service context

Uses selectable filtering for the intended machine response band.

Return-to-service focus

Provides continuous channel status and vibration alarms.

SIGNAL OR CONTROL PATH

Field device → **Product interface** → **System channel** → **Verified response**

Use 3300/55 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

How is system family set on Bently Nevada 3300/55?	The documented system family is 3300 machinery protection; confirm it against the installed record.
What monitor channels belongs to Bently Nevada 3300/55?	The documented monitor channels is 2; confirm it against the installed record.
Why verify supported transducers for Bently Nevada 3300/55?	The documented supported transducers is Velomitor, HTVS or Velocity Seismoprobe; confirm it against the installed record.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Bearing-housing vibration

Monitors velocity at machinery supports.

High-temperature service

Accepts signals from HTVS installations.

Machine protection

Applies Alert and Danger logic to velocity measurements.

Diagnostic access

Provides buffered signals for portable analysis.

APPLICATION VERIFICATION MAP

Bearing-housing vibration	Confirm the documented system position and the required operating function.
High-temperature service	Compare the restored connection or control path with the approved record.
Machine protection	Check the physical interface and the retained configuration before startup.
Diagnostic access	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link does not establish interchangeability.

APPLICATION QUESTIONS

Why verify supported transducers for Bently Nevada 3300/55?	The documented supported transducers is Velomitor, HTVS or Velocity Seismoprobe; confirm it against the installed record.
Where is primary measurement used by Bently Nevada 3300/55?	The documented primary measurement is Velocity vibration; confirm it against the installed record.
What controls filter control on Bently Nevada 3300/55?	The documented filter control is Field-programmable high- and low-pass corners; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 3300/55 marking and the documented dual velocity monitor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, monitor channels and supported transducers before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

How is system family set on Bently Nevada 3300/55?	The documented system family is 3300 machinery protection; confirm it against the installed record.
What monitor channels belongs to Bently Nevada 3300/55?	The documented monitor channels is 2; confirm it against the installed record.
Why verify supported transducers for Bently Nevada 3300/55?	The documented supported transducers is Velomitor, HTVS or Velocity Seismoprobe; confirm it against the installed record.
Where is primary measurement used by Bently Nevada 3300/55?	The documented primary measurement is Velocity vibration; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 3300/55 identity and every mating interface before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, document reference and related models

ADDITIONAL TECHNICAL QUESTIONS

What controls filter control on Bently Nevada 3300/55?	The documented filter control is Field-programmable high- and low-pass corners; confirm it against the installed record.
How is alarm processing tested on Bently Nevada 3300/55?	The documented alarm processing is Independent Alert and Danger functions; confirm it against the installed record.
Which record preserves operator access for Bently Nevada 3300/55?	The documented operator access is Buffered transducer outputs and status indication; confirm it against the installed record.
Which acceptance method applies to Bently Nevada 3300/55?	The documented acceptance method is Verify amplitude, frequency response and alarm action on both channels; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	Bently Nevada 3300/55 Dual Velocity Monitor Datasheet 141516-01
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

RELATED MODELS ON APTERPOWER

Bently Nevada 9200-06-05-10-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3500/61E 285694-02	Related product reference. Compare the required interface and system position.
Bently Nevada 330103-00-10-10-02-00	Related product reference. Confirm the execution independently for the intended task.

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