Bently Nevada 3300/65

Complete Product Information

Each channel receives a proximity-transducer signal and a compatible seismic signal, then performs vector combination for continuous machinery protection.

WHAT THIS PRODUCT DOES

Bently Nevada 3300/65 is a two-channel Dual Probe Monitor that combines relative shaft and seismic housing signals for absolute shaft-vibration measurement.

Product characteristic 1 Combines relative shaft motion with bearing-housing motion.	**Product characteristic 2** Provides two independent absolute-vibration channels.
Product characteristic 3 Accepts separate proximity and seismic inputs for each channel.	**Product characteristic 4** Requires correct signal polarity and scale factors for vector calculation.

PRODUCT-PAGE TECHNICAL SNAPSHOT

System family	3300 machinery protection
Monitor channels	2
Relative input	Proximity transducer signal
Seismic input	Velocity or compatible housing-motion signal

IMPORTANT NOTICE	Record the installed 3300/65 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

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Scan the approved WhatsApp code for model-specific support.

Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

System family	3300 machinery protection
Monitor channels	2
Relative input	Proximity transducer signal
Seismic input	Velocity or compatible housing-motion signal
Calculated measurement	Absolute shaft vibration
Processing method	Vector combination of relative and casing motion
Configuration control	Transducer scale, polarity and filter settings
Acceptance method	Verify both input paths and the combined output per channel

FEATURE INTERPRETATION

Product identity

Combines relative shaft motion with bearing-housing motion.

System role

Provides two independent absolute-vibration channels.

Service context

Accepts separate proximity and seismic inputs for each channel.

Return-to-service focus

Requires correct signal polarity and scale factors for vector calculation.

SIGNAL OR CONTROL PATH

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

Use 3300/65 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

What controls system family on Bently Nevada 3300/65?	The documented system family is 3300 machinery protection; confirm it against the installed record.
How is monitor channels tested on Bently Nevada 3300/65?	The documented monitor channels is 2; confirm it against the installed record.
Which record preserves relative input for Bently Nevada 3300/65?	The documented relative input is Proximity transducer signal; 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.

Absolute shaft vibration

Derives rotor motion relative to an inertial reference.

Flexible rotor trains

Separates shaft and casing movement contributions.

Bearing evaluation

Combines probe and seismic measurements at one location.

Legacy monitor replacement

Restores two configured dual-probe channels.

APPLICATION VERIFICATION MAP

Absolute shaft vibration	Confirm the documented system position and the required operating function.
Flexible rotor trains	Compare the restored connection or control path with the approved record.
Bearing evaluation	Check the physical interface and the retained configuration before startup.
Legacy monitor replacement	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

Which record preserves relative input for Bently Nevada 3300/65?	The documented relative input is Proximity transducer signal; confirm it against the installed record.
Which seismic input applies to Bently Nevada 3300/65?	The documented seismic input is Velocity or compatible housing-motion signal; confirm it against the installed record.
How is calculated measurement set on Bently Nevada 3300/65?	The documented calculated measurement is Absolute shaft vibration; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 3300/65 marking and the documented dual probe monitor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, monitor channels and relative input 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

What controls system family on Bently Nevada 3300/65?	The documented system family is 3300 machinery protection; confirm it against the installed record.
How is monitor channels tested on Bently Nevada 3300/65?	The documented monitor channels is 2; confirm it against the installed record.
Which record preserves relative input for Bently Nevada 3300/65?	The documented relative input is Proximity transducer signal; confirm it against the installed record.
Which seismic input applies to Bently Nevada 3300/65?	The documented seismic input is Velocity or compatible housing-motion signal; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 3300/65 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

How is calculated measurement set on Bently Nevada 3300/65?	The documented calculated measurement is Absolute shaft vibration; confirm it against the installed record.
What processing method belongs to Bently Nevada 3300/65?	The documented processing method is Vector combination of relative and casing motion; confirm it against the installed record.
Why verify configuration control for Bently Nevada 3300/65?	The documented configuration control is Transducer scale, polarity and filter settings; confirm it against the installed record.
Where is acceptance method used by Bently Nevada 3300/65?	The documented acceptance method is Verify both input paths and the combined output per channel; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	ApterPower product-specific technical reference
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 330103-00-10-10-02-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330104-00-10-10-02-CN	Related product reference. Compare the required interface and system position.
Bently Nevada 330130-040-00-00	Related product reference. Confirm the execution independently for the intended task.

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