Bently Nevada 330750-40

Complete Product Information

Its separated sensing head and electronics arrangement supports velocity measurement where the machine surface is hotter than standard sensor electronics can tolerate.

WHAT THIS PRODUCT DOES

Bently Nevada 330750-40 is a High-Temperature Velomitor sensor system with a four-metre integral cable between the sensing head and remote electronics.

Product characteristic 1

Separates the sensing head from its electronic conditioning section.

Product characteristic 2

Uses a four-metre integral high-temperature cable.

Product characteristic 3

Produces a velocity-proportional output for casing vibration.

Product characteristic 4

Supports long field-cable runs to compatible monitoring equipment.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Sensor family	330750 High-Temperature Velomitor
Integral cable length	4 m
Sensitivity	5.7 mV/mm/s (145 mV/in/s)
Broadband response	15 to 2000 Hz within the documented band

IMPORTANT NOTICE

Record the installed 330750-40 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
Scan the approved WhatsApp code for model-specific support.

Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Sensor family	330750 High-Temperature Velomitor
Integral cable length	4 m
Sensitivity	5.7 mV/mm/s (145 mV/in/s)
Broadband response	15 to 2000 Hz within the documented band
Precision response	20 to 1000 Hz within the documented band
Sensing-head environment	High-temperature machine surface
Electronics location	Remote from the hot sensing point
Maximum field cable	305 m to compatible monitoring equipment

FEATURE INTERPRETATION

Product identity

Separates the sensing head from its electronic conditioning section.

System role

Uses a four-metre integral high-temperature cable.

Service context

Produces a velocity-proportional output for casing vibration.

Return-to-service focus

Supports long field-cable runs to compatible monitoring equipment.

SIGNAL OR CONTROL PATH

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

Use 330750-40 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

Where is sensor family used by Bently Nevada 330750-40?	The documented sensor family is 330750 High-Temperature Velomitor; confirm it against the installed record.
What controls integral cable length on Bently Nevada 330750-40?	The documented integral cable length is 4 m; confirm it against the installed record.
How is sensitivity tested on Bently Nevada 330750-40?	The documented sensitivity is 5.7 mV/mm/s (145 mV/in/s); 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.

Gas turbine casing

Measures velocity on high-temperature housings.

Steam turbine bearing housing

Monitors casing vibration near hot surfaces.

Exhaust equipment

Places electronics away from elevated temperatures.

Machine protection retrofit

Restores a documented high-temperature velocity channel.

APPLICATION VERIFICATION MAP

Gas turbine casing	Confirm the documented system position and the required operating function.
Steam turbine bearing housing	Compare the restored connection or control path with the approved record.
Exhaust equipment	Check the physical interface and the retained configuration before startup.
Machine protection retrofit	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

How is sensitivity tested on Bently Nevada 330750-40?	The documented sensitivity is 5.7 mV/mm/s (145 mV/in/s); confirm it against the installed record.
Which record preserves broadband response for Bently Nevada 330750-40?	The documented broadband response is 15 to 2000 Hz within the documented band; confirm it against the installed record.
Which precision response applies to Bently Nevada 330750-40?	The documented precision response is 20 to 1000 Hz within the documented band; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 330750-40 marking and the documented high-temperature velomitor sensor system position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed sensor family, integral cable length and sensitivity 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

Where is sensor family used by Bently Nevada 330750-40?	The documented sensor family is 330750 High-Temperature Velomitor; confirm it against the installed record.
What controls integral cable length on Bently Nevada 330750-40?	The documented integral cable length is 4 m; confirm it against the installed record.
How is sensitivity tested on Bently Nevada 330750-40?	The documented sensitivity is 5.7 mV/mm/s (145 mV/in/s); confirm it against the installed record.
Which record preserves broadband response for Bently Nevada 330750-40?	The documented broadband response is 15 to 2000 Hz within the documented band; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 330750-40 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

Which precision response applies to Bently Nevada 330750-40?	The documented precision response is 20 to 1000 Hz within the documented band; confirm it against the installed record.
How is sensing-head environment set on Bently Nevada 330750-40?	The documented sensing-head environment is High-temperature machine surface; confirm it against the installed record.
What electronics location belongs to Bently Nevada 330750-40?	The documented electronics location is Remote from the hot sensing point; confirm it against the installed record.
Why verify maximum field cable for Bently Nevada 330750-40?	The documented maximum field cable is 305 m to compatible monitoring equipment; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	Bently Nevada 330750 and 330752 High-Temperature Velomitor System Datasheet 141639
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 330910-00-11-10-02-05	Related product reference. Review the complete ordering string before selection.
Bently Nevada 9200-06-05-10-00	Related product reference. Compare the required interface and system position.
Bently Nevada 3500/61E 285694-02	Related product reference. Confirm the execution independently for the intended task.

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