Bently Nevada 9200-06-05-05-00

Complete Product Information

Bently Nevada 9200-06-05-05-00 measures absolute casing or bearing-housing vibration through a two-wire electromagnetic velocity element.

WHAT THIS PRODUCT DOES

Bently Nevada 9200-06-05-05-00 is a two-wire Seismoprobe velocity transducer for vertical mounting, terminal-block connection and a stud-only base without agency approval.

Product characteristic 1

Measures casing vibration relative to free space.

Product characteristic 2

Uses the vertical 10 Hz minimum-frequency execution.

Product characteristic 3

Provides a terminal-block top connection.

Product characteristic 4

Mounts through the 1/2-20 UNF-3A stud without a separate base.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Transducer family	9200 Seismoprobe
Measurement	Absolute vibration velocity
Mounting angle / minimum frequency	0° ±100° / 10 Hz
Connection	Terminal-block top mount

IMPORTANT NOTICE

Confirm the complete 9200-06-05-05-00 mounting-angle, connector and base options. Verify low-frequency response, noise floor and monitor scaling before service release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Transducer family	9200 Seismoprobe
Measurement	Absolute vibration velocity
Mounting angle / minimum frequency	0° ±100° / 10 Hz
Connection	Terminal-block top mount
Mounting base	No base; 1/2-20 UNF-3A stud
Approval option	No approvals
Signal type	Self-generating two-wire velocity output

FEATURE INTERPRETATION

Product identity

Measures casing vibration relative to free space.

System role

Uses the vertical 10 Hz minimum-frequency execution.

Service context

Provides a terminal-block top connection.

Return-to-service focus

Mounts through the 1/2-20 UNF-3A stud without a separate base.

SIGNAL OR CONTROL PATH

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

The transducer is installed on a rigid bearing housing or machine casing so that the selected axis represents the vibration direction of interest. Mounting stiffness and cable routing directly affect the usable signal.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which vibration quantity is sensed by 9200-06-05-05-00?	It measures absolute vibration velocity of the mounting surface.
What orientation range is selected in 9200-06-05-05-00?	Option 06 is the 0° ±100° execution with a 10 Hz minimum operating frequency.
How is field wiring connected to 9200-06-05-05-00?	Option 05 uses the terminal-block top-mount connection.

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

Measures absolute motion on rolling-element bearing housings.

Machine-casing monitoring

Feeds a velocity channel for fans, pumps, motors and similar machines.

Periodic diagnostic measurements

Connects to suitable test or diagnostic instruments for velocity observation.

Continuous monitoring input

Provides a two-wire signal to a compatible vibration monitor.

APPLICATION VERIFICATION MAP

Bearing-housing vibration	Confirm the documented system position and the required operating function.
Machine-casing monitoring	Compare the restored connection or control path with the approved record.
Periodic diagnostic measurements	Check the physical interface and the retained configuration before startup.
Continuous monitoring input	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 is not evidence of interchangeability.

APPLICATION QUESTIONS

How is field wiring connected to 9200-06-05-05-00?	Option 05 uses the terminal-block top-mount connection.
Which mechanical base is selected for 9200-06-05-05-00?	The second 05 selects no base and a 1/2-20 UNF-3A mounting stud.
Does the final 00 add hazardous-area approval to 9200-06-05-05-00?	No. The approval option is none.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 9200-06-05-05-00 mounting-angle, connector and base options.
02	Prepare a flat, rigid mounting surface aligned with the measurement axis.
03	Use the specified 1/2-20 UNF-3A stud and prevent rocking at the mounting interface.
04	Protect the terminal-block wiring inside a suitable enclosure or conduit system.
05	Keep signal cable away from high-noise power conductors and provide the required shield treatment.
06	Do not apply an isolated-base installation rule to this no-base execution.
07	Check polarity and phase convention before comparing the channel with previous data.
08	Verify low-frequency response, noise floor and monitor scaling before service release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which vibration quantity is sensed by 9200-06-05-05-00?	It measures absolute vibration velocity of the mounting surface.
What orientation range is selected in 9200-06-05-05-00?	Option 06 is the 0° ±100° execution with a 10 Hz minimum operating frequency.
How is field wiring connected to 9200-06-05-05-00?	Option 05 uses the terminal-block top-mount connection.
Which mechanical base is selected for 9200-06-05-05-00?	The second 05 selects no base and a 1/2-20 UNF-3A mounting stud.

IMPORTANT NOTICE	Confirm the complete 9200-06-05-05-00 mounting-angle, connector and base options. Verify low-frequency response, noise floor and monitor scaling before service release.

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, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Does the final 00 add hazardous-area approval to 9200-06-05-05-00?	No. The approval option is none.
Why must the mounting surface be rigid for 9200-06-05-05-00?	A flexible or rocking mount attenuates and distorts the casing-velocity signal.
Which polarity check is needed after wiring 9200-06-05-05-00?	Confirm that the measured phase and direction follow the plant convention for the selected axis.
What commissioning test is most useful for 9200-06-05-05-00?	Compare the stationary noise floor and a controlled vibration response with the configured velocity scale.

CONFIGURATION CONTROL RECORD

Configuration identity	Bently Nevada 9200-06-05-05-00
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 9200-01-02-02-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 9200-01-02-10-00	Related product reference. Compare the required interface and system position.
Bently Nevada 9200-01-05-10-00	Related product reference. Confirm the execution independently for the intended task.

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