

9200-06-01-11-04

Two-Wire Seismoprobe Velocity Transducer

Bently Nevada 9200-06-01-11-04 is a two-wire Seismoprobe velocity transducer with an isolated M10 base. It measures absolute machine-case velocity for approved hazardous-area monitoring channels.

Manufacturer	Bently Nevada
Product family	9200 Seismoprobe System
Part number	9200-06-01-11-04
Country of origin	USA
Source	9200 and 74712 Seismoprobe Velocity Transducers Datasheet — 141626 Rev. V

Product role

- 1

Generates a two-wire signal proportional to absolute vibration velocity
- 2

Uses an isolated M10 base for the approved installation
- 3

Supports a top-connected field cable
- 4

Measures low-frequency machine-case motion from 10 Hz

Document purpose

Technical review	Model identity and manufacturer-published values
Installation review	Mounting, connection and companion-hardware checks
Commissioning review	Controlled signal, diagnostic and functional response

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1. Technical specifications

The following values are transcribed only from the manufacturer records named in this document.

Sensitivity	20 mV/mm/s (500 mV/in/s), +/-5%
Load resistance	10 kOhm
Frequency response	10 to 1000 Hz, +0/-3 dB
Dynamic displacement range	2.54 mm peak-to-peak
Amplitude linearity	+/-5% from 0.254 to 127 mm/s at 100 Hz
Coil resistance	1.25 kOhm +/-5%
Locked inductance	125 mH
Non-sensitive-axis shock	50 g
Transverse sensitivity	+/-10% maximum
Maximum lead length	305 m
Operating temperature	-29 to +121 degC
Relative humidity	95% non-condensing
Case material	Anodized A204 aluminum
Mounting orientation	0 degrees +/-100 degrees
Minimum operating frequency	10 Hz (600 cpm)
Cable option	Top mount, no cable
Mounting base	Isolated circular M10 x 1
Mounting torque	5.6 N m
Approval option	ATEX and IECEx

Configuration identity checks

Complete model	9200-06-01-11-04
Manufacturer part	9200-06-01-11-04
Installed family	9200 Seismoprobe System
Record authority	141626 Rev. V

2. System function and integration

Bently Nevada 9200-06-01-11-04 is a two-wire Seismoprobe velocity transducer with an isolated M10 base. It measures absolute machine-case velocity for approved hazardous-area monitoring channels.

Compatible installation elements

Component 1	compatible high-impedance velocity input
Component 2	84510 armored cable where specified
Component 3	isolated M10 mounting point
Component 4	approved hazardous-area wiring system

Engineered application matrix

Turbine casing velocity	Generates a two-wire signal proportional to absolute vibration velocity
Compressor bearing-housing vibration	Uses an isolated M10 base for the approved installation
Large pump low-frequency vibration	Supports a top-connected field cable
Hazardous-area machine monitoring	Measures low-frequency machine-case motion from 10 Hz

Related products on Apter Power

84510-33	Armored Seismoprobe interface cable	Open product page

3. Installation and commissioning controls

Orient 9200-06-01-11-04 within its specified angular range, torque the isolated M10 base and preserve field-cable polarity and hazardous-area wiring before verifying velocity response.

- 1

Confirm the complete 9200-06-01-11-04 marking and approvals before work.
- 2

Follow the applicable hazardous-area permit and isolation procedure.
- 3

Prepare a rigid flat M10 mounting point and preserve base isolation.
- 4

Apply the specified mounting torque without twisting the transducer body.
- 5

Use the correct top connector and maintain conductor polarity.
- 6

Keep total lead length within the published limit.
- 7

Verify coil continuity and insulation before energizing the monitor input.
- 8

Prove velocity direction and alarm response under controlled conditions.

Acceptance record

Identity	9200-06-01-11-04 recorded
Mounting / connection	compatible high-impedance velocity input
Companion hardware	84510 armored cable where specified
Functional duty	Turbine casing velocity
As-left evidence	Connections, diagnostics and controlled response recorded

Return-to-service sequence

1	Confirm physical security and connector condition
2	Restore the documented channel or system configuration
3	Observe stable diagnostics before applying a controlled test
4	Record the final process response and release authorization

4. Engineer FAQ and source record

How is 9200-06-01-11-04 checked during commissioning?	Apply the approved controlled test for turbine casing velocity, verify polarity or direction where applicable, and compare the measured response with the configured channel.
Can parameters from a similar model be used for 9200-06-01-11-04?	No. Retain only values and configuration details that apply directly to the complete 9200-06-01-11-04 ordering code and installed system.
What maintenance evidence should be retained for 9200-06-01-11-04?	Retain the full 9200-06-01-11-04 identity, as-left mounting and connections, continuity or bias checks, diagnostics and the final functional-test result.
What should be verified before returning 9200-06-01-11-04 to service?	Confirm secure mounting, connector integrity, restored configuration, stable signal behavior and the intended response of the associated monitoring channel.
What must be matched before replacing 9200-06-01-11-04?	Match the complete 9200-06-01-11-04 marking, two-wire seismoprobe velocity transducer, installed mounting or connector execution and the approved equipment record before removal.
Which system components should be checked with 9200-06-01-11-04?	Confirm the installed compatible high-impedance velocity input, 84510 armored cable where specified and the assigned monitoring or connection point are the documented combination for 9200-06-01-11-04.
How should wiring or cabling for 9200-06-01-11-04 be recorded?	Record conductor identity, shield termination, connector orientation, cable route and the as-found diagnostic state before disconnecting 9200-06-01-11-04.
What installation control is important for 9200-06-01-11-04?	Use the model-specific mounting arrangement, protect mating surfaces and maintain the documented cable support and mechanical clearance for 9200-06-01-11-04.

Manufacturer source identifiers

Document title	9200 and 74712 Seismoprobe Velocity Transducers Datasheet
Publication / revision	141626 Rev. V
Manufacturer	Bently Nevada / Baker Hughes

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