

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.

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9200-06-01-11-04

Manufacturer	Bently Nevada
Product name	Two-Wire Seismoprobe Velocity Transducer
Product family	9200 Seismoprobe System
Part number	9200-06-01-11-04
Country of origin	USA

Core system roles

- 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

Engineering note

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. Technical data

Official manufacturer values for the complete product record are arranged below for engineering review.

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 verification

Complete model	9200-06-01-11-04
Official product family	9200 Seismoprobe System
Primary source	9200 and 74712 Seismoprobe Velocity Transducers Datasheet — 141626 Rev. V
Installation record	Physical marking and installed interfaces retained

2. Functions, components and applications

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

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 Apter Power product pages

84510-33	Armored Seismoprobe interface cable	Open product page

Integration statement

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.

3. Precautions and return-to-service evidence

- 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.

Commissioning evidence matrix

Identity	Full 9200-06-01-11-04 marking confirmed
Installed component	compatible high-impedance velocity input
Paired hardware	84510 armored cable where specified
Primary duty	Turbine casing velocity
Functional test	Generates a two-wire signal proportional to absolute vibration velocity
Release record	Diagnostics and as-left response retained

Turbine casing velocity	Verify the generates a two-wire signal proportional to absolute vibration velocity response under controlled conditions
Compressor bearing-housing vibration	Verify the uses an isolated m10 base for the approved installation response under controlled conditions
Large pump low-frequency vibration	Verify the supports a top-connected field cable response under controlled conditions
Hazardous-area machine monitoring	Verify the measures low-frequency machine-case motion from 10 hz response under controlled conditions

4. Engineer FAQ and controlled 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.

Source identifiers

Manufacturer	Bently Nevada / Baker Hughes
Official document	9200 and 74712 Seismoprobe Velocity Transducers Datasheet
Publication / revision	141626 Rev. V
Applied product	9200-06-01-11-04