

9200-03-02-02-00

Seismoprobe Velocity Transducer

Bently Nevada 9200-03-02-02-00 is a 9200 two-wire moving-coil velocity transducer configured for 90 deg +/-2.5 deg operation and a 4.5 Hz (270 cpm) minimum frequency. It provides self-generating absolute-vibration output through the documented side mount without cable interface.

BRAND	Bently Nevada	MODEL	9200-03-02-02-00
PRODUCT	Seismoprobe Velocity Transducer	FAMILY	Industrial automation
OFFICIAL SOURCE	Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet	RECORD	Baker Hughes / Bently Nevada publication 141626 Rev. V

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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9200-03-02-02-00

Product Overview and Applications

SYSTEM FUNCTION

Bently Nevada 9200-03-02-02-00 is a 9200 two-wire moving-coil velocity transducer configured for 90 deg +/-2.5 deg operation and a 4.5 Hz (270 cpm) minimum frequency. It provides self-generating absolute-vibration output through the documented side mount without cable interface.

FUNCTION 1

Self-generating moving-coil measurement

FUNCTION 2

90 deg +/-2.5 deg configured orientation

FUNCTION 3

4.5 Hz (270 cpm) minimum operating frequency

FUNCTION 4

-29 to +121 deg C family temperature range

APPLICATION	ENGINEERING CONTEXT
Bearing housing vibration	Measures absolute vibration on supported bearing housings.
Machine casing vibration	Measures casing motion through the approved mounting base.
Structural vibration	Supports low-frequency absolute vibration on rigid machine structures.
General machinery	Uses the documented family temperature and orientation limits.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	9200-03-02-02-00
Transducer family	9200
Measurement type	Self-generating moving-coil velocity
Mounting angle option	03 = 90 deg +/-2.5 deg
Minimum operating frequency	4.5 Hz (270 cpm)
Mounting base	02 = circular 1/4-28 UNF stud
Connector option	side mount without cable
Agency approval	No approvals
Sensitivity	20 mV/mm/s (500 mV/in/s), published tolerance
Load resistance	10 kohm
Dynamic displacement range	2.54 mm peak-to-peak
Velocity range	25 mm/s at 100 Hz
Coil resistance	1.25 kohm, published tolerance
Frequency response upper limit	1 kHz
Operating and storage temperature	-29 to +121 deg C

Acceptance Path

1 IDENTITY

The complete 9200-03-02-02-00 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 9200-03-02-02-00 marking.	What is Bently Nevada 9200-03-02-02-00?	It is a 9200 moving-coil two-wire velocity transducer for absolute vibration measurement.
2	Install only at the documented 90 deg +/-2.5 deg orientation.		
3	Use the circular 1/4-28 unf stud mounting configuration.	Which mounting orientation applies to Bently Nevada 9200-03-02-02-00?	Option 03 specifies 90 deg +/-2.5 deg operation with a 4.5 Hz (270 cpm) minimum operating frequency.
4	Wire the side mount without cable interface with correct polarity.		
5	Protect the moving-coil element from impact.	Which connector is used by Bently Nevada 9200-03-02-02-00?	The configured connector option is side mount without cable.
6	Match monitor scaling to the published sensitivity.	Which mounting base is used by Bently Nevada 9200-03-02-02-00?	Option 02 specifies circular 1/4-28 UNF stud.
7	Observe the -29 to +121 deg C operating limit.		
8	Verify stable zero and credible vibration response before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 18745-03	View Bently Nevada 18745-03
Bently Nevada 18745-04	View Bently Nevada 18745-04
Bently Nevada 1900-27-03	View Bently Nevada 1900-27-03
Bently Nevada 1900-55	View Bently Nevada 1900-55
Bently Nevada 1900-65A	View Bently Nevada 1900-65A
Bently Nevada 1900-65A-167699-02	View Bently Nevada 1900-65A-167699-02

FAQ, Related Products and Sources

QUESTION	ANSWER
Which approval applies to Bently Nevada 9200-03-02-02-00?	The final 00 option specifies No approvals.
What sensitivity applies to Bently Nevada 9200-03-02-02-00?	The official datasheet specifies 20 mV/mm/s (500 mV/in/s), within the published tolerance.
What temperature range applies to Bently Nevada 9200-03-02-02-00?	The official operating and storage range for this family is -29 to +121 deg C.
What confirms commissioning of Bently Nevada 9200-03-02-02-00?	Mounting angle, base, connector wiring, polarity and the measured absolute-vibration response must agree with the approved record.

MANUFACTURER SOURCE RECORDS

Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet - Baker Hughes / Bently Nevada publication 141626 Rev. V

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 1900-65A-167699-02-034712	View Bently Nevada 1900-65A-167699-02-034712
Bently Nevada 190501-00-00-CN	View Bently Nevada 190501-00-00-CN
Bently Nevada 190501-10-00-00	View Bently Nevada 190501-10-00-00
Bently Nevada 190501-12-00-01	View Bently Nevada 190501-12-00-01
Bently Nevada 128608-02	View Bently Nevada 128608-02
Bently Nevada 1900-65A-00-00-01-00-00	View Bently Nevada 1900-65A-00-00-01-00-00
Bently Nevada 1900-65A-00-01-01-00-00	View Bently Nevada 1900-65A-00-01-01-00-00
Bently Nevada 1900-65A-01-01-03-00-00	View Bently Nevada 1900-65A-01-01-03-00-00
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