

9200-01-02-02-00

Seismoprobe Velocity Transducer

Bently Nevada 9200-01-02-02-00 is a 9200 two-wire moving-coil velocity transducer configured for 0 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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	9200-01-02-02-00
Product role	Seismoprobe Velocity Transducer
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141626 Rev. V

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	9200-01-02-02-00
Transducer family	9200
Measurement type	Self-generating moving-coil velocity
Mounting angle option	01 = 0 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

ENGINEERING BOUNDARY

Verify the circular 1/4-28 unf stud mounting, side mount without cable connector, orientation and monitor input before installation. The No approvals option must be used only with the current manufacturer drawing and the complete supplied marking.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 146054-32-05-01-05	View Bently Nevada 146054-32-05-01-05
Bently Nevada 146054-34-20-02-05	View Bently Nevada 146054-34-20-02-05
Bently Nevada 146054-36-05-01-05	View Bently Nevada 146054-36-05-01-05
Bently Nevada 146055-10-02-00	View Bently Nevada 146055-10-02-00

System Role and Common Applications

Bently Nevada 9200-01-02-02-00 is a 9200 two-wire moving-coil velocity transducer configured for 0 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
0 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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete 9200-01-02-02-00 marking.
2	Install only at the documented 0 deg +/-2.5 deg orientation.
3	Use the circular 1/4-28 unf stud mounting configuration.
4	Wire the side mount without cable interface with correct polarity.
5	Protect the moving-coil element from impact.
6	Match monitor scaling to the published sensitivity.
7	Observe the -29 to +121 deg C operating limit.
8	Verify stable zero and credible vibration response before release.

QUESTION	ANSWER
What is Bently Nevada 9200-01-02-02-00?	It is a 9200 moving-coil two-wire velocity transducer for absolute vibration measurement.
Which mounting orientation applies to Bently Nevada 9200-01-02-02-00?	Option 01 specifies 0 deg +/-2.5 deg operation with a 4.5 Hz (270 cpm) minimum operating frequency.
Which connector is used by Bently Nevada 9200-01-02-02-00?	The configured connector option is side mount without cable.
Which mounting base is used by Bently Nevada 9200-01-02-02-00?	Option 02 specifies circular 1/4-28 UNF stud.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 146056-15-10-02-02-05	View Bently Nevada 146056-15-10-02-02-05
Bently Nevada 146056-38-10-02-02-05	View Bently Nevada 146056-38-10-02-02-05
Bently Nevada 147663-01	View Bently Nevada 147663-01
Bently Nevada 149844-01	View Bently Nevada 149844-01
Bently Nevada 149992-02	View Bently Nevada 149992-02

FAQ, Related Products and Official Sources

QUESTION	ANSWER
Which approval applies to Bently Nevada 9200-01-02-02-00?	The final 00 option specifies No approvals.
What sensitivity applies to Bently Nevada 9200-01-02-02-00?	The official datasheet specifies 20 mV/mm/s (500 mV/in/s), within the published tolerance.
What temperature range applies to Bently Nevada 9200-01-02-02-00?	The official operating and storage range for this family is -29 to +121 deg C.
What confirms commissioning of Bently Nevada 9200-01-02-02-00?	Mounting angle, base, connector wiring, polarity and the measured absolute-vibration response must agree with the approved record.

MODEL	APTER POWER PAGE
Bently Nevada 162381-064-028-50-05	View Bently Nevada 162381-064-028-50-05
Bently Nevada 162381-078-027-50-05	View Bently Nevada 162381-078-027-50-05
Bently Nevada 162381-138-040-90-05	View Bently Nevada 162381-138-040-90-05
Bently Nevada 16710-10	View Bently Nevada 16710-10
Bently Nevada 16710-14	View Bently Nevada 16710-14
Bently Nevada 16710-16	View Bently Nevada 16710-16
Bently Nevada 16710-18	View Bently Nevada 16710-18
Bently Nevada 16710-46	View Bently Nevada 16710-46
Bently Nevada 16710-50	View Bently Nevada 16710-50

MANUFACTURER SOURCE RECORDS

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

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