Bently Nevada 9200-03-02-10-00

Apter Power complete product information

Bently Nevada 9200-03-02-10-00 is a two-wire moving-coil Seismoprobe velocity transducer with 90-degree mounting orientation and a side-mount connector.

01 / Product role

The 9200 Seismoprobe measures absolute vibration of a bearing housing, machine casing or structure by moving-coil action.

Parameter	Selected configuration
Measurement	absolute casing or bearing-housing velocity
Sensing mechanism	two-wire moving coil
Mounting angle	90 degrees +/-2.5 degrees
Minimum operating frequency	4.5 Hz

Installed-system context

Context	Verified use
Machine-casing context	The 9200-03-02-10-00 measures absolute vibration where movement reaches the bearing housing or casing.
Compatibility scope	The monitoring input, cable and mechanical stud must match the 90-degree, side-connector execution.

02 / Exact ordered configuration

Parameter	Selected configuration
Measurement	absolute casing or bearing-housing velocity
Sensing mechanism	two-wire moving coil
Mounting angle	90 degrees +/-2.5 degrees
Minimum operating frequency	4.5 Hz
Connector position	side mount, no cable
Mounting base	circular M10 x 1 stud
Approval selection	no approvals
External power	not required by moving-coil element

Option relationship

Code 03 selects a nominal 90-degree mounting orientation with 4.5 Hz minimum operating frequency. The installed direction must match the intended vibration axis.

Option 02 provides a side-mount connection without an integral cable; option 10 selects a circular M10 x 1 stud base. Use the correct interconnect cable and connector position.

Technical reference: Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers, 141626 Rev. V.

03 / Applications and compatibility

Documented uses

Use	Engineering context
Continuous monitoring	Feed a compatible two-wire velocity input where the housing vibration represents the machine condition.
Periodic diagnosis	Use a suitable diagnostic instrument for periodic casing-velocity checks.
Bearing-housing point	Mount to a suitable bearing housing with the selected circular M10 x 1 stud.
Side cable access	Provide clearance for the side connector and separately selected interconnect cable.

The final 00 selects no agency approvals. The two-wire transducer generates a velocity-proportional voltage without an external excitation supply.

Technical questions

Question	Engineering answer
What does 9200-03-02-10-00 measure?	It senses absolute vibration velocity of a bearing housing, casing or suitable structure.
What does option 03 specify on 9200-03-02-10-00?	It selects nominal 90-degree mounting with a 4.5 Hz minimum operating frequency.
Where is the connector on 9200-03-02-10-00?	Option 02 is a side-mount connector arrangement with no integral cable.

04 / Installation precautions

Check	Action
Mounting face	Clean and prepare a rigid surface at the selected measurement point.
Orientation	Align the 90-degree calibrated axis with the required vibration direction.
Stud match	Use the M10 x 1 base without substituting another thread.
Cable clearance	Keep the side connector and cable clear of mechanical damage.
Signal loading	Use the documented termination and monitoring input when evaluating sensitivity.
Acceptance	Compare the signal with a known machine condition or approved vibration test.

Technical notes

Topic	Explanation
Signal principle	The two-wire moving-coil element produces a voltage proportional to vibration velocity.
Installation relationship	The selected 90-degree axis, side connector and M10 x 1 stud define the mechanical installation.

Technical questions

Question	Engineering answer
Which base does 9200-03-02-10-00 use?	Option 10 selects a circular M10 x 1 stud base.
Does 9200-03-02-10-00 need an external power supply?	The moving-coil two-wire sensing element generates its own velocity-proportional voltage.
What approval is selected on 9200-03-02-10-00?	Option 00 selects no agency approval.

05 / Supply and service reference

Question	Engineering answer
Can 9200-03-02-10-00 be mounted in any orientation without review?	No. Its calibrated 90-degree orientation must match the measurement axis.
What determines the correct cable for 9200-03-02-10-00?	The side connector and receiving instrument determine the separately selected interconnect cable.

Available unit

Bently Nevada 9200-03-02-10-00; Condition: New, original product. Confirm the transducer and any separately supplied interconnect cable or mounting accessories in the quotation.

Related product references

Related product	Selection note
Bently Nevada 330880-01-20-058-03-02	Separate catalogue reference
Bently Nevada 330801-28-20-050-03-02	Separate catalogue reference
Bently Nevada 330101-00-10-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-20-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-08-05-02-00	Separate catalogue reference
Bently Nevada 330851-02-000-030-10-00-00	Separate catalogue reference
Bently Nevada 330851-02-000-060-10-00-00	Separate catalogue reference
Bently Nevada 31000-16-10-15-040-03-02	Separate catalogue reference

Technical reference: Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers, 141626 Rev. V.