BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

9200-06-01-11-04

01 PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	9200-06-01-11-04
Family	9200 and 74712 Seismoprobe Velocity Transducers
Product type	Seismoprobe Velocity Transducer

02 VERIFIED TECHNICAL DATA

Mounting angle / frequency option	06: 0 degrees +/-100 degrees; minimum 10 Hz
Connector / cable option	01: top mount; no cable
Mounting base option	11: isolated circular M10 x 1
Agency approval option	04: ATEX/IECEx
Sensitivity	20 mV/(mm/s), +/-5% with proper termination and calibration orientation
Calibration load	10 kilohms across terminals A and B
Coil resistance	1.25 kilohms +/-5%
Locked coil inductance	125 mH typical

03 REMAINING TECHNICAL DATA

Maximum dynamic displacement	2.54 mm peak-to-peak
Operating / storage temperature	-29 to +121 deg C
Recommended base mounting torque	5.6 N m for M10 x 1 option
Case and adapter material	Anodized aluminum A204

04 TECHNICAL AND APPLICATION NOTES

Bently Nevada 9200-06-01-11-04 is a two-wire moving-coil velocity transducer for absolute bearing-housing, casing or structural vibration. This order selects a 0-degree mounting reference with a +/-100-degree permitted orientation range and a 10 Hz minimum operating frequency. Connector option 01 supplies a top connector without a cable. The isolated circular M10 x 1 base selected by 11 satisfies the isolated-base requirement for the 04 ATEX/IECEx approval option. Match the separate cable and monitoring input to the transducer before installation.

05 APPLICATIONS

- Track bearing-housing velocity: The 9200 supports continuous vibration monitoring when connected through an appropriate two-wire cable. Select a bearing-housing location that transmits the relevant rotor vibration, and maintain the ordered mounting orientation and the specified monitoring input load.
- Collect periodic velocity measurements: The moving-coil sensor needs no external excitation supply, making it suitable for periodic checks with compatible test or diagnostic instruments. Review the measurement location and 10 Hz lower operating limit before interpreting the results from this orientation option.
- Measure absolute vibration at a structure: The manufacturer identifies structural vibration as a Seismoprobe application. Use a suitable attachment point and the isolated M10 x 1 base to sense motion along the transducer axis. This is an absolute velocity measurement, not a shaft-to-casing relative displacement reading.

06 INSTALLATION CONTROL

Confirm option 06 orientation and its 10 Hz lower frequency limit. Verify the measurement path and actual approval documents before commissioning.

Sources: Bently Nevada 141626 Rev. V. Exact option tables and applicable system context.