

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 9200-01-05-10-00

Two-wire moving-coil Seismoprobe velocity transducer

TECHNOLOGY	LOWER LIMIT	MOUNTING	APPROVAL
Moving coil	4.5 Hz	M10x1	None

Bently Nevada 9200-01-05-10-00 is a self-powered Seismoprobe velocity transducer for absolute vibration measurements on bearing housings, casings and structures. Its moving-coil sensing element provides a voltage proportional to vibration velocity, with the selected orientation supporting a 4.5 Hz minimum operating frequency.

01

VERIFIED TECHNICAL DATA

Sensing principle	Self-powered, two-wire moving coil
Mounting orientation	0 degrees +/-2.5 degrees, option 01
Frequency response	4.5 to 1000 Hz, +0/-3 dB typical
Connection arrangement	Top terminal block; no cable
Mounting base	Circular M10x1 stud
Approval option	No approvals, option 00
Sensitivity	20 mV/(mm/s), +/-5%, at specified calibration orientation and load
Calibration load	10 kilohms between A and B

Official basis: 141626 Rev. V, pp. 1-4 and 7. No unverified packing dimensions, shipping weight or hardware revision is stated.

02 OPERATING & INSTALLATION LIMITS

Coil resistance	1.25 kilohms +/-5%
Locked coil inductance	125 mH typical
Maximum dynamic displacement	2.54 mm peak-to-peak
Operating and storage temperature	-29 to +121 C
Relative humidity	Up to 95%, noncondensing for this non-integral-cable option
Mounting torque	5.6 N m for M10x1 base
Shock resistance	50 g peak along the non-sensitive axis

03 APPLICATION & INTEGRATION

- Continuous bearing-housing vibration measurement on rotating machines
- Periodic machine-casing vibration checks using diagnostic instruments
- Absolute vibration measurements at suitable structural mounting points

Casing measurements are meaningful only when the mounting point transmits representative machine vibration. This 00 approval option must not be treated as a hazardous-area-certified variant.

04 OFFICIAL DOCUMENTATION

9200 and 74712 Seismoprobe datasheet - 141626 Rev. V

Official 9200 and 74712 product overview

Use the 9200 ordering table, not the separate 74712 code. Manufacturer document edition is not an individual unit hardware revision or a direct-replacement approval.

AMIKON PRODUCT SUPPORT

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