

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 74712-03-11-02-00

High-temperature Seismoprobe moving-coil velocity transducer with 90-degree orientation

ORIENTATION	LOWER LIMIT	BASE	APPROVAL
90 degrees	4.5 Hz	Isolated M10x1	None

Bently Nevada 74712-03-11-02-00 is a high-temperature Seismoprobe velocity transducer for measuring absolute vibration of bearing housings, machine casings or structures. Its moving-coil element generates a velocity-proportional voltage without an external sensor supply, with this option calibrated for a 90-degree mounting orientation.

01

VERIFIED TECHNICAL DATA

Sensing principle	Self-powered two-wire moving coil
Mounting orientation	90 degrees +/-2.5 degrees, option 03
Frequency response	4.5 to 1000 Hz, +0/-3 dB typical
Connector arrangement	Top-mounted connector, option 02
Mounting base	Isolated circular M10x1, option 11
Approval option	No approvals, option 00
Sensitivity	20 mV/(mm/s), +/-5% at the specified calibration orientation and load
Calibration load	10 kilohms between terminals A and B

Official basis: 141626 Rev. V, pp. 1-4 and 8. No unverified packed dimensions, gross weight or individual 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 +204 C
Relative humidity	Up to 95%, noncondensing
Mounting torque	5.6 N m for the M10x1 base
Transverse sensitivity	+/-10% maximum at 100 Hz and 1.0 in/s

03 APPLICATION & INTEGRATION

- High-temperature bearing-support vibration measurement
- Casing vibration channels for rotating machinery
- Absolute vibration checks at structural mounting points

Useful casing measurements require representative vibration at the mounting point. Match orientation, cable and instrument loading. This exact 00 option must not be treated as hazardous-area approved.

04 OFFICIAL DOCUMENTATION

Bently Nevada 141626 Rev. V - official datasheet

Use the 74712 ordering table on original page 8, not the separate 9200 table. Document revision is not an individual sensor hardware revision or a direct-replacement authorization.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM