

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 74712-01-11-02-00

High-temperature Seismoprobe moving-coil velocity transducer with 0-degree orientation

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

Bently Nevada 74712-01-11-02-00 measures absolute vibration velocity using a self-powered moving-coil element. This high-temperature Seismoprobe configuration is calibrated for a 0-degree mounting orientation within +/-2.5 degrees, making the selected orientation an essential part of the installation rather than a freely interchangeable option.

01

VERIFIED TECHNICAL DATA

Measurement principle	Two-wire moving-coil velocity transducer; self-powered
Calibration orientation	0 degrees +/-2.5 degrees, option 01
Operating frequency band	4.5 to 1000 Hz, +0/-3 dB typical
Signal connection	Top-mounted connector, option 02
Base configuration	Isolated circular M10x1, option 11
Agency approval selection	No approvals, option 00
Nominal sensitivity	20 mV/(mm/s), +/-5% with specified orientation and loading
Calibration input load	10 kilohms across 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

Internal coil resistance	1.25 kilohms +/-5%
Locked coil inductance	125 mH typical
Dynamic displacement limit	2.54 mm peak-to-peak maximum
Operating and storage range	-29 to +204 C
Humidity limit	95% relative humidity, noncondensing
Base tightening torque	5.6 N m for M10x1 mounting
Output polarity	A positive relative to B when case velocity is toward the connector

03 APPLICATION & INTEGRATION

- Periodic casing-velocity measurements with diagnostic equipment
- Bearing-housing vibration channels at elevated temperature
- Velocity measurements on vibration-transmitting structures

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

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