

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

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

For qualified personnel. This concise reference does not replace complete manufacturer instructions, controlled drawings or site safety procedures. Verify the exact product and installation before use.

01

CONFIRM ORDERED CONFIGURATION

Product model	74712-03-11-02-00
Calibration orientation	90 degrees +/-2.5 degrees
Signal connection	Top-mounted connector, option 02
Base	Isolated circular M10x1, option 11
Mounting torque	5.6 N m for M10x1 base
Approvals	None; final option 00

02

INSTALLATION CONTROLS

- Select a representative bearing-housing, casing or structural mounting point and preserve the specified calibration orientation.
- The manufacturer describes standard installation in a protected enclosure with wiring protected in conduit.
- Match the cable connector and receiving-instrument input. The next page retains the original top-connector drawing.

03 OFFICIAL TOP-CONNECTOR DRAWING

9200 and 74712 Seismoprobe Velocity Transducers
Datasheet 141626 Rev. V

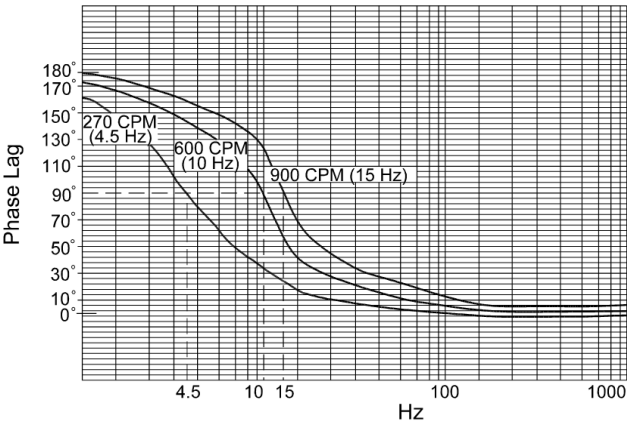
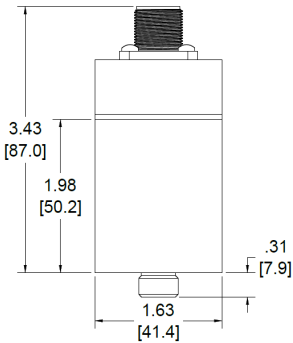


Figure 3: Theoretical Phase Shift between Output and Case Velocity

All dimensions are shown in inches [millimeters].



-01

Figure 4: Top Mounted Connector

(9200 Option B-01 or 74712 Option C-02)

141626 Rev. V, original p. 12, Figure 4 applies to 74712 connector option 02. The complete page and adjacent phase-response context are retained at their original aspect ratio.

04 CONNECTION & FUNCTIONAL CHECKS

01	Confirm 90-degree orientation within +/-2.5 degrees and the isolated M10x1 attachment.
02	Check the 5.6 N m base torque and the protected enclosure/conduit arrangement.
03	Confirm A/B polarity: A becomes positive relative to B when case velocity is toward the connector.
04	Match the instrument to the self-generated velocity voltage; sensitivity is specified with a 10 kilohm A/B load.
05	Confirm representative vibration reaches the mounting point. Poor installation can change amplitude and frequency response.
06	Verify the complete signal path and record baseline readings before releasing the measurement to service.

05 RESTRICTIONS & SOURCE INSTRUCTIONS

- 74712 operating and storage range: -29 to +204 C. Verify cable and connected-instrument limits separately.
- Option 00 means no approvals; the isolated mounting base is not evidence of hazardous-area certification.
- A different orientation option or solid-state sensor technology can change installation, power and dynamic response. Do not presume direct interchangeability.

Bently Nevada 141626 Rev. V - official datasheet

Official basis: 141626 Rev. V, pp. 1-4, 8 and 11-12.

AMIKON PRODUCT SUPPORT

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