Product dashboard

Bently Nevada 330106-00-04-10-02-00 is an 8 mm reverse-mount eddy-current proximity probe for non-contact shaft vibration, position, Keyphasor reference and speed measurements in a matched 3300 XL measurement chain.

Exact model	Product type	System family	Functional role
330106-00-04-10-02-00	3300 XL 8 mm Reverse-Mount Proximity	3300 XL 8 mm Proximity Transducer System	Proximity Probe

PARAMETER	DOCUMENTED VALUE
Complete item marking	330106-00-04-10-02-00
Base probe number	330106
Probe family	3300 XL 8 mm
Mounting form	Reverse mount
Case thread	M10 x 1
Probe-tip diameter	8.0 mm
Sensing principle	Eddy-current proximity measurement
Matched system components	Probe, extension cable and Proximitor Sensor

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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330106-00-04-10-02-00

System overview

In a machinery-monitoring channel, Bently Nevada 330106-00-04-10-02-00 forms the sensing end of the probe, extension-cable and Proximitor arrangement while retaining its complete supplied marking.

Shaft-vibration measurement

Observes relative shaft motion on fluid-film bearing machines through the matched transducer chain.

Axial-position monitoring

Tracks static shaft position when the installed probe geometry and target remain within the approved gap range.

Keyphasor reference service

Produces a once-per-turn reference when the probe is positioned at the configured shaft event.

Speed observation

Supports rotational-speed measurement through the receiving monitor and configured target feature.

SYSTEM POSITION	RECORD
Installed identity	330106-00-04-10-02-00
Host relationship	3300 XL 8 mm Proximity Transducer System
Controlled function	non-contact shaft position and vibration sensing

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Technical data map

PARAMETER	VERIFIED VALUE
Complete item marking	330106-00-04-10-02-00
Base probe number	330106
Probe family	3300 XL 8 mm
Mounting form	Reverse mount
Case thread	M10 x 1
Probe-tip diameter	8.0 mm
Sensing principle	Eddy-current proximity measurement
Matched system components	Probe, extension cable and Proximitor Sensor
Matched-system scale factor	7.87 V/mm (200 mV/mil) nominal
Matched-system linear range	2.0 mm (80 mil) typical

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	non-contact shaft position and vibration sensing

Technical evidence record: 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN

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Applications and precautions

1. Confirm the complete 330106-00-04-10-02-00 marking and M10 x 1 reverse-mount position before work.
2. Match the installed extension cable and Proximitor Sensor to the retained total system length.
3. Record probe gap, mounting depth, cable route, connector condition and shield treatment before removal.
4. Protect the 8 mm tip, cable and ClickLoc connection from impact, contamination and strain.
5. Use the approved target material and mounting torque without forcing the threaded case.
6. Restore the probe cable and extension-cable connection without sharp bends or unsupported tension.
7. Set the operating gap with the receiving monitor in the controlled maintenance state.
8. Verify static gap, dynamic response, alarm path and speed or phase reference before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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Buyer and engineering FAQ

What sensing role does Bently Nevada 330106-00-04-10-02-00 perform?

It is the reverse-mount 8 mm probe at the sensing end of a matched 3300 XL proximity transducer system.

Which thread and mounting form apply to Bently Nevada 330106-00-04-10-02-00?

The 330106 base probe uses an M10 x 1 threaded reverse-mount case.

Which components must be matched with Bently Nevada 330106-00-04-10-02-00?

Match the probe with the correct extension cable and 3300 XL Proximitor Sensor for the retained total system length.

What is the nominal matched-system scale factor for Bently Nevada 330106-00-04-10-02-00?

The standard 3300 XL 8 mm system uses a nominal scale factor of 7.87 V/mm (200 mV/mil).

Related Apter Power pages

- Bently Nevada 129715-138-040-05-CN
- Bently Nevada 129715-138-40-05-05
- Bently Nevada 129716-173-037-15-05

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