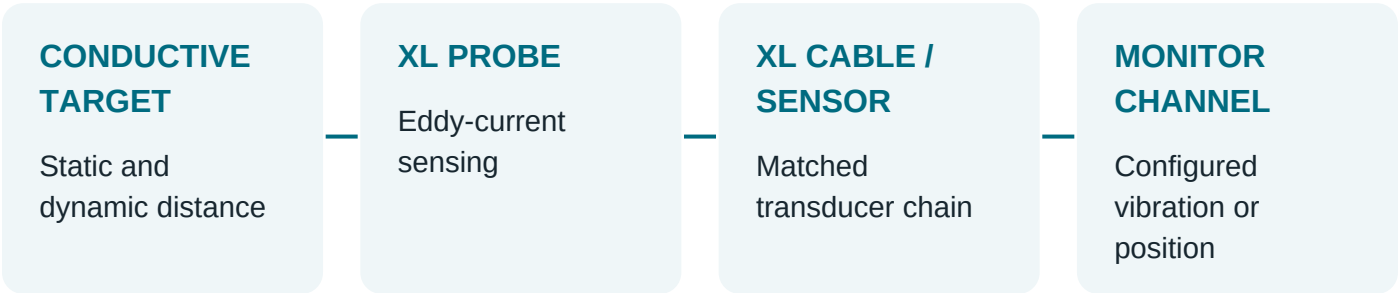


Bently Nevada 330101-30-63-10-02-CN

01 / Forward-mount sensing identity

Bently Nevada 330101-30-63-10-02-CN forms the sensing end of a 3300 XL 8 mm proximity transducer system. The unarmored forward-mount construction uses a UNF mounting interface and standard lead with a miniature coaxial ClickLoc connection.

Mounting style	Forward mount, UNF thread
Cable protection	Unarmored construction
Mating interface	Gold-plated ClickLoc connection
Lead construction	Standard cable; no FluidLoc option
Protector selection	-02 does not include a connector protector



SYSTEM, NOT STANDALONE OUTPUT

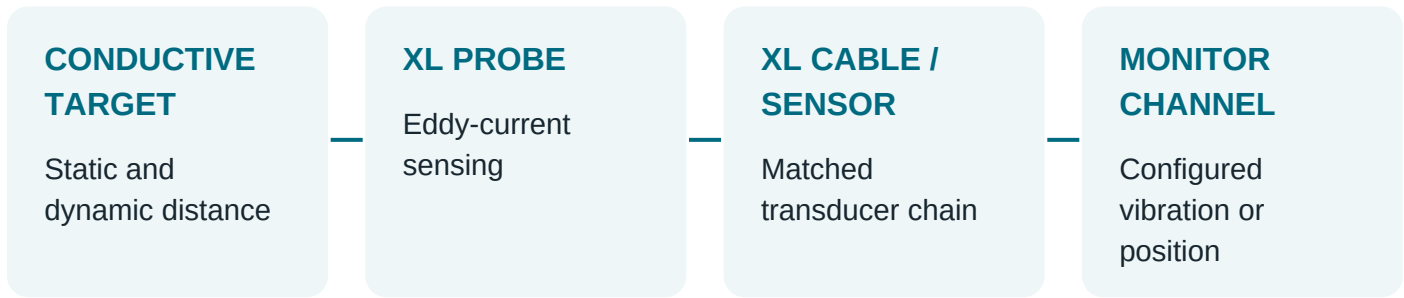
The probe is one part of the 3300 XL sensing chain. The Proximitior Sensor conditions the probe signal into a voltage proportional to target distance.

BUILD IDENTITY

Retain the complete standard-lead, unarmored forward-mount build and CN marking. Connector protection and cable construction remain separate selection decisions.

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02 / Signal chain and connection decisions



Probe to cable	Use the gold-plated XL ClickLoc interface. Two XL click-type connectors are finger-tightened.
Cable to sensor	Match probe-plus-extension length to the selected Proximitior Sensor system.
Sensor to monitor	The conditioned voltage carries static position and dynamic vibration information.

CONNECTOR PROTECTION

The -02 build has no factory-installed protector. A separate protector improves environmental protection. Silicone tape supplied with an extension cable is not recommended where the connection is exposed to turbine oil.

TARGET-MATERIAL BASIS

The normal factory calibration uses AISI 4140 steel. A different conductive target needs the corresponding calibration basis; the all-XL accuracy and interchangeability specification does not apply unchanged to other target materials.

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03 / Electrical checks and installed applications

Electrical check	7.59 ± 0.50 ohm probe DC resistance
Probe temperature	-52°C to +177°C; pressure-seal caution below -34°C
Case material	AISI 303 or 304 stainless steel
Tip material	PPS

CONTINUITY INTERPRETATION

Measure center conductor to outer conductor at the probe connection. The 7.59 ± 0.50 ohm reference belongs to this lead selection; an extension cable has its own conductor-to-conductor resistance.

TEMPERATURE IS NOT A PRESSURE-SEAL GUARANTEE

The standard probe range reaches -52°C to +177°C. Below -34°C the pressure seal may fail prematurely; thermal range and fluid containment must be assessed separately.

Application decisions

Radial shaft vibration / Measures dynamic displacement at a fluid-film bearing when installed in a matched 3300 XL transducer chain.

Axial position sensing / Provides non-contact position information from the conductive target in the configured monitoring arrangement.

Phase-reference duty / Supports an engineered Keyphasor reference arrangement; speed-related use requires the corresponding application review.

Unarmored probe renewal / Restores the specific UNF forward-mount position while preserving its cable route, exposed section and CN marking.

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04 / Engineering FAQ and service boundaries

Does the CN suffix have the same meaning as approval option 05?

No. CN is a country-specific hazardous-area ordering option, while 05 denotes the listed CSA, ATEX and IECEx approval option. The installed certification and product marking determine the required option.

Is a connector protector included in this -02 build?

The -02 option supplies the miniature coaxial ClickLoc connector with standard cable, without a factory-installed connector protector. A separate protector can be fitted to improve environmental protection.

Will this standard cable stop liquid migrating through its interior?

That containment function belongs to the optional FluidLoc cable construction. The standard cable specified by -02 must not be treated as a FluidLoc lead.

Which resistance check applies to this lead before connection?

Probe resistance from center conductor to outer conductor is 7.59 ± 0.50 ohm for the 1.0 m lead. This is a probe continuity reference, not the resistance of an added extension cable.

Replacement acceptance

01 / Confirm the UNF forward-mount position and retain the complete CN approval marking.

02 / Place the monitored machine in its approved maintenance state before probe work.

03 / Keep the conductive target and installed calibration basis unchanged.

04 / Protect the unarmored cable from damage along its existing route.

05 / Match total probe-plus-extension length to the Proximity Sensor selection.

06 / Finger-tighten the two XL ClickLoc connectors until the locking connection engages.

07 / Provide connector environmental protection; -02 does not include a protector.

08 / Verify the final static gap and dynamic monitoring response before release.

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05 / Sources, related products and contact

MANUFACTURER SOURCE LEDGER

3300 XL 8 mm Proximity Transducer System

Datasheet 141194 Rev. AN

Approvals Quick Reference Guide - Country Specific Ordering Options

108M1756 Rev. AV

RELATED SENSING PORTFOLIO

Related catalog navigation; not interchangeable replacements.

[View Bently Nevada 330103-00-25-05-02-00 page](#)

[View Bently Nevada 330106-05-30-10-02-00 page](#)

[View Bently Nevada 330101-00-60-90-01-05 page](#)

[View Bently Nevada 330104-11-25-10-02-00 page](#)

[View Bently Nevada 330102-00-20-10-02-00 page](#)

[View Bently Nevada 330101-00-60-10-02-05 page](#)

[View Bently Nevada 330101-00-30-10-02-05 page](#)

[View Bently Nevada 330101-00-30-10-02-00 page](#)

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