Bently Nevada 330101-30-63-10-02-00

Installation & Commissioning Guide

Bently Nevada 330101-30-63-10-02-00 is a unarmored 3300 XL 8 mm proximity probe with a 3/8-24 UNF thread, 1.0 m integral lead and miniature clickloc coaxial connector with standard cable. It forms the sensing end of a matched eddy-current transducer system.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses a 3/8-24 UNF threaded case for the selected mounting interface.

Feature 2

Provides a unarmored lead with a total length of 1.0 m.

Feature 3

Terminates through miniature clickloc coaxial connector with standard cable.

Feature 4

Operates as part of a matched probe, extension cable and Proximitor sensor chain.

VERIFIED DATA SNAPSHOT

Transducer family	3300 XL 8 mm
Measurement principle	Non-contact eddy current
Mounting thread	3/8-24 UNF
Unthreaded section	3.0 in

SYSTEM RELATIONSHIP

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

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Scan the approved WhatsApp code for model-specific support.

Pre-installation readiness

READINESS GATE

Identity

Compare the complete marking with the approved work order and installed record.

System match

Confirm the receiving channel, mating components and controlled configuration.

Physical condition

Inspect mounting surfaces, connectors, terminals, cable and support hardware.

Work controls

Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Transducer family 3300 XL 8 mm	**Measurement principle** Non-contact eddy current
Mounting thread 3/8-24 UNF	**Unthreaded section** 3.0 in
Overall case length 6.3 in	**Integral lead length** 1.0 m
Lead construction Flexible insulated coaxial lead	**Termination** miniature ClickLoc coaxial connector with standard cable
System matching Probe plus extension cable equals Proximitor system length	

IMPORTANT NOTICE Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

SOURCE AND WORK CONTROLS

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

Installation sequence

CONTROLLED WORK STEPS

01	Confirm the complete 330101-30-63-10-02-00 marking before removing the installed probe.
02	Verify the 3/8-24 UNF thread, 3.0 in unthreaded section and 6.3 in case clearance.
03	Match probe and extension-cable length to the installed Proximitor system length.
04	Keep the coaxial joint clean, dry and free from side load.
05	Do not shorten, splice or twist the calibrated probe lead.
06	Maintain the required target material, diameter and side-view clearance.
07	Set the working gap from the matched system response and machine procedure.
08	Record gap voltage, channel OK state and dynamic response before release.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

Radial vibration

Measure relative shaft motion at a qualified metallic target.

Axial position

Track shaft position where the mechanical range and mounting are suitable.

Phase reference

Provide a shaft-event signal when the receiving channel supports the application.

Condition monitoring

Deliver dynamic displacement and static gap information to compatible electronics.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

Which sensing family includes Bently Nevada 330101-30-63-10-02-00?	It belongs to the 3300 XL 8 mm proximity-transducer family.
What mounting interface is selected for Bently Nevada 330101-30-63-10-02-00?	The probe uses a 3/8-24 UNF thread with a 3.0 in unthreaded section and 6.3 in overall case.

Release record and technical references

CLOSEOUT QUESTIONS

How long is the integral lead on Bently Nevada 330101-30-63-10-02-00?	The selected lead length is 1.0 m.
What cable construction is used by Bently Nevada 330101-30-63-10-02-00?	This execution is unarmored.
Which connector option is fitted to Bently Nevada 330101-30-63-10-02-00?	It uses miniature clickloc coaxial connector with standard cable.
How should Bently Nevada 330101-30-63-10-02-00 be matched to the signal conditioner?	Probe length plus extension-cable length must equal the Proximitor system length.
What should be checked before setting the gap for Bently Nevada 330101-30-63-10-02-00?	Confirm target material, geometry, mounting clearance and the complete matched chain.
Which checks complete commissioning of Bently Nevada 330101-30-63-10-02-00?	Verify stable gap voltage, channel OK state, dynamic response and the protection path.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330103-00-02-10-02-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330103-00-03-05-02-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330103-00-03-10-01-05	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

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