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

Installation & Commissioning Guide

Bently Nevada 330101-00-63-10-02-00 is a 3300 XL 8 mm non-contact probe with a 3/8-24 UNF case, 6.3 in overall case and 1.0 m integral lead. It connects through clickloc connector without protector, standard cable within a matched transducer system.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the 3/8-24 UNF case defined for the 330101 probe family.

Feature 2

Provides 0.0 in of unthreaded case and 6.3 in overall case length.

Feature 3

Carries a 1.0 m integral lead with clickloc connector without protector, standard cable.

Feature 4

Operates as one component of the matched 3300 XL 8 mm transducer chain.

VERIFIED DATA SNAPSHOT

Transducer family	3300 XL 8 mm
Measurement principle	Non-contact eddy current
Mounting thread	3/8-24 UNF
Case construction	without armor

SYSTEM RELATIONSHIP

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

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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	**Case construction** without armor
Unthreaded section 0.0 in	**Overall case length** 6.3 in
Integral lead length 1.0 m	**Termination** ClickLoc connector without protector, standard cable
Approval selection Not required	**System rule** Probe plus extension cable equals the selected Proximitor electrical length

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

CONFIGURATION AND WORK CONTROLS

Configuration identity	Bently Nevada 330101-00-63-10-02-00
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

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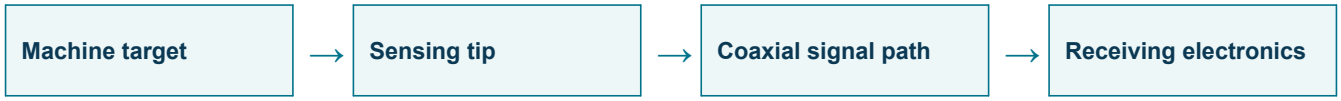
Installation sequence

CONTROLLED WORK STEPS

01	Match the complete 330101-00-63-10-02-00 marking and the assigned machine point before removal.
02	Confirm the 3/8-24 UNF mounting interface and usable thread engagement before tightening.
03	Keep the probe inside a matched 3300 XL 8 mm probe, extension-cable and Proximitor chain.
04	Protect the sensing tip, lead and ClickLoc contacts from impact, contamination and moisture.
05	Route the integral lead away from hot surfaces, rotating parts and sharp bend points.
06	Use only the connector hardware included by the selected cable option.
07	Set the initial gap against the approved target material before enabling alarms.
08	Record bias voltage, signal direction and dynamic response during final acceptance.

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.



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

Shaft-relative vibration

Feeds non-contact shaft motion from the 3300 XL 8 mm sensing point into a matched monitoring channel.

Axial or radial position

Tracks static shaft position where the installed target and channel configuration permit.

Machine protection input

Supplies the conditioned transducer chain used for alarms, trips and condition monitoring.

Commissioning response check

Supports gap, polarity and proportional-response checks after installation.

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

What sensing role does the 3300 XL 8 mm 6.3 in probe perform in 330101-00-63-10-02-00?	It belongs to the 3300 XL 8 mm proximity-transducer system.
Which machine thread accepts the 3/8-24 UNF, 6.3 in case of 330101-00-63-10-02-00?	The probe case uses 3/8-24 UNF.
What mounting adjustment remains with the 0.0 in plain section on the 6.3 in body of 330101-00-63-10-02-00?	The selected unthreaded section is 0.0 in.
How should the 6.3 in case reach be checked for 330101-00-63-10-02-00?	The ordering string specifies 6.3 in overall case length.

Release record and technical references

CLOSEOUT QUESTIONS

What calibrated-length contribution comes from the 1.0 m lead on the 6.3 in execution of 330101-00-63-10-02-00?	The probe contributes 1.0 m of integral cable to the matched electrical length.
What connector condition is required at the ClickLoc connector without protector, standard cable interface on the 6.3 in case of 330101-00-63-10-02-00?	It uses ClickLoc connector without protector, standard cable.
Why can the 3300 XL 8 mm 6.3 in/1.0 m chain not be mixed for 330101-00-63-10-02-00?	Changing probe or extension-cable length changes the calibrated electrical path to the Proximitor sensor.
Which bias-voltage response confirms correct gapping of the 3/8-24 UNF, 6.3 in case on 330101-00-63-10-02-00?	A controlled target movement should produce the expected bias change and proportional channel response without diagnostic faults.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330103-00-04-10-01-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330103-00-04-15-02-cn	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330103-00-05-10-02-00	Installation-planning reference. Confirm the execution independently for the intended task.

CONFIGURATION AND FINAL CONTROL

Configuration identity	Bently Nevada 330101-00-63-10-02-00
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

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

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