

Bently Nevada 330103-02-08-10-02-CN

Installation & Commissioning Guide

Bently Nevada 330103-02-08-10-02-CN is an unarmored M10 x 1 standard-mount probe with a 20 mm unthreaded section, an 80 mm case and a 1.0 m standard ClickLoc lead.

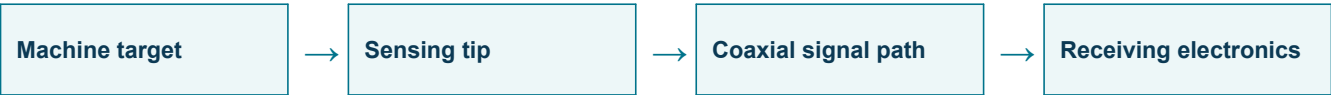
PRODUCT ROLE AND VERIFIED FEATURES

Feature 1 Uses the metric M10 x 1 case defined for the 330103 probe family.	Feature 2 Combines 20 mm of unthreaded length with an 80 mm overall case.
Feature 3 Carries a 1.0 m standard lead terminated by a miniature ClickLoc connector.	Feature 4 Works only as part of a matched 3300 XL 8 mm probe, cable and Proximitor system.

VERIFIED DATA SNAPSHOT

Probe family	3300 XL 8 mm
Mounting thread	M10 x 1
Armor	Without armor
Unthreaded length	20 mm

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
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

Probe family 3300 XL 8 mm	Mounting thread M10 x 1
Armor Without armor	Unthreaded length 20 mm
Overall case length 80 mm	Total probe length 1.0 m
Connector Miniature coaxial ClickLoc, no connector protector	Cable Standard cable

IMPORTANT NOTICE

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

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM.
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.

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Installation sequence

CONTROLLED WORK STEPS

- 01 Match the complete 330103-02-08-10-02-CN marking before removing the installed probe.
- 02 Confirm the mounting interface is M10 x 1 and that the case provides adequate thread engagement.
- 03 Keep the probe, extension cable and Proximitor sensor at the documented selected electrical length.
- 04 Protect the probe tip, coaxial lead and ClickLoc connector from impact, contamination and sharp bends.
- 05 Route the lead away from hot surfaces, rotating parts and locations that can crush or abrade the cable.
- 06 Use the connector protector only when it is included in the complete ordering code.
- 07 Set the probe gap with the matched system and the controlled target material before enabling protection.
- 08 Verify proportional voltage response, polarity and channel indication before returning the machine to service.

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 Uses the installed probe position to observe dynamic shaft motion in bearing and shaft monitoring locations.	Static position Supports non-contact measurement of shaft position inside the calibrated transducer-system range.
Machine protection input Feeds the matched Proximitor sensor and monitoring channel used for alarms and protection logic.	Commissioning verification Allows gap, signal response and channel direction to be checked 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

How much of the case is unthreaded on 330103-02-08-10-02-CN?	The 02 option specifies 20 mm of unthreaded length.
What overall case length is encoded in 330103-02-08-10-02-CN?	The 08 option specifies an 80 mm case.

Release record and technical references

CLOSEOUT QUESTIONS

Does 330103-02-08-10-02-CN include probe armor?	No. The 330103 family is the M10 x 1 standard-mount execution without armor.
Which connector arrangement is selected for 330103-02-08-10-02-CN?	Code 02 selects the miniature coaxial ClickLoc connector without a connector protector.
What length does segment 10 contribute to the signal chain of 330103-02-08-10-02-CN?	Code 10 identifies a 1.0 m total probe length.
What mating thread must accept 330103-02-08-10-02-CN?	The probe case uses an M10 x 1 mounting thread.
How should the electrical chain be completed for 330103-02-08-10-02-CN?	Use a matched 3300 XL 8 mm Proximity system whose probe and extension-cable lengths equal the selected system length.
Which commissioning result confirms 330103-02-08-10-02-CN is positioned correctly?	A controlled gap change should produce the expected proportional channel response without connector, polarity or diagnostic faults.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330190-045-01-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330851-02-000-040-10-00-05	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330881-28-04-265-00-02	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM.
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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