

Bently Nevada 330102-00-12-10-01-05

Installation & Commissioning Guide

Bently Nevada 330102-00-12-10-01-05 is a 3/8-24 UNF armored 3300 XL 8 mm probe with a 1.2 in case, a 1.0 m standard lead and a connector protector.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the armored 330102 probe construction for physical cable protection.

Feature 2

Provides a fully threaded 1.2 in standard-mount case.

Feature 3

Includes a one-metre standard lead and connector protector.

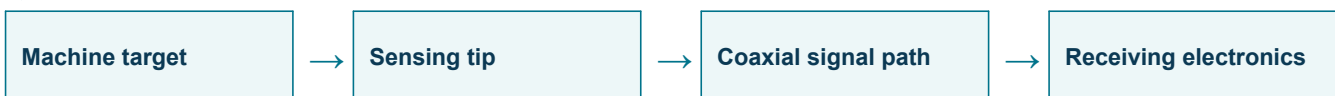
Feature 4

Selects the multiple-approval execution identified by code 05.

VERIFIED DATA SNAPSHOT

Probe family	3300 XL 8 mm
Thread	3/8-24 UNF
Construction	Standard mount with armor
Unthreaded length	0.0 in

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	Thread 3/8-24 UNF
Construction Standard mount with armor	Unthreaded length 0.0 in
Case length 1.2 in	Total length 1.0 m
Connector option 01, ClickLoc with connector protector	Approval option 05, CSA/ATEX/IECEX

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.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Installation sequence

CONTROLLED WORK STEPS

- 01 Match the complete 330102-00-12-10-01-05 marking before removing the installed probe.
- 02 Confirm the mounting interface is 3/8-24 UNF and that the case provides adequate thread engagement.
- 03 Keep the probe, extension cable and Proximator sensor at the documented matched 3300 XL 8 mm system 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 imperial-threaded machinery 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

What does the 330102 prefix identify in 330102-00-12-10-01-05?	It identifies the 3/8-24 UNF standard-mount 3300 XL 8 mm probe with armor.
Is the case of 330102-00-12-10-01-05 partly unthreaded?	No. Code 00 specifies 0.0 in unthreaded length.

Release record and technical references

CLOSEOUT QUESTIONS

Translate the 12 case segment in 330102-00-12-10-01-05 into its physical length.	Code 12 specifies a 1.2 in overall case.
Which connector hardware accompanies 330102-00-12-10-01-05?	Code 01 selects the miniature ClickLoc connector with its connector protector.
How does the final 05 qualify the 330102-00-12-10-01-05 probe execution?	Code 05 selects the CSA, ATEX and IECEx approval execution listed for the family.
What does the stainless-steel armor protect on 330102-00-12-10-01-05?	It provides mechanical protection around the probe lead; the lead still requires proper bend radius and support.
Which electrical length does the probe contribute in 330102-00-12-10-01-05?	It contributes a 1.0 m probe lead to the matched system.
What must be inspected before mating 330102-00-12-10-01-05?	Inspect the ClickLoc contacts, protector, armor termination and lead condition, then confirm the matched 8 mm system.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330103-02-04-10-02-CN	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330881-28-04-265-00-02	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330130-070-01-00	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.

APTERPOWER SALES TEAM
 WhatsApp / Phone: +86 180 3023 5313
 Email: sales13@apterpower.com
 Scan the approved WhatsApp code for model-specific support.

