

Bently Nevada 330901-10-60-70-02-05

Installation & Commissioning Guide

Bently Nevada 330901-10-60-70-02-05 is a 1/4-28 UNF 3300 XL NSv probe without armor, configured with a 1.0 in unthreaded section, a 6.0 in case and a 7.0 m standard lead.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the small-footprint NSv probe geometry for restricted measurement locations.

Feature 2

Provides a 6.0 in case with a 1.0 in unthreaded section.

Feature 3

Carries a 7.0 m lead for the selected NSv system arrangement.

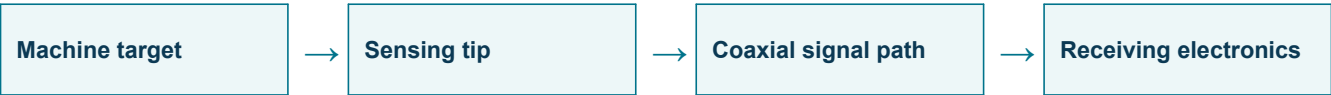
Feature 4

Uses the 1/4-28 UNF unarmored probe execution with multiple approvals.

VERIFIED DATA SNAPSHOT

Probe family	3300 XL NSv
Thread	1/4-28 UNF
Armor	Without armor
Unthreaded length	1.0 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 NSv	Thread 1/4-28 UNF
Armor Without armor	Unthreaded length 1.0 in
Case length 6.0 in	Total length 7.0 m
Connector option 02, no connector protector	Approval option 05, multiple approvals

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 NSv Proximity Transducer System Datasheet 147385 Rev. R.
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 330901-10-60-70-02-05 marking before removing the installed probe.
- 02 Confirm the mounting interface is 1/4-28 UNF and that the case provides adequate thread engagement.
- 03 Keep the probe, extension cable and Proximitor sensor at the documented NSv 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 small-shaft and restricted-clearance 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

Which sensing family does 330901-10-60-70-02-05 belong to?	It is a 3300 XL NSv proximity probe with a 1/4-28 UNF thread and no armor.
What case geometry is selected by 10-60 in 330901-10-60-70-02-05?	The pair specifies a 1.0 in unthreaded length and a 6.0 in overall case.

Release record and technical references

CLOSEOUT QUESTIONS

How should the 70 length code in 330901-10-60-70-02-05 be read?	The 70 option specifies a 7.0 m total length.
What does the terminal 05 select for 330901-10-60-70-02-05?	It selects the multiple-approvals execution listed for the NSv probe family.
Does code 02 on 330901-10-60-70-02-05 include a connector protector?	No. It selects the standard ClickLoc connector without the protector.
Why is lead support important for 330901-10-60-70-02-05?	The seven-metre lead must be strain-relieved and protected so its routing does not load the probe or connector.
Can an 8 mm Proximity sensor be assumed for 330901-10-60-70-02-05?	No. Keep the probe inside the matched 3300 XL NSv transducer system and verify every component identifier.
What response test should follow installation of 330901-10-60-70-02-05?	Move the target or use an approved verification method to confirm correct proportional response across the intended gap range.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330851-02-000-040-10-00-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330103-02-08-10-02-CN	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330130-075-01-00	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R.
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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