

Bently Nevada 330173-00-05-10-02-00

Installation & Commissioning Guide

Bently Nevada 330173-00-05-10-02-00 is an unarmored M8 x 1 3300 5 mm probe with a fully threaded 50 mm case, a 1.0 m standard lead and a ClickLoc connector without protector.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the compact 5 mm probe tip for restricted sensing locations.

Feature 2

Provides a fully threaded 50 mm M8 x 1 case.

Feature 3

Carries a 1.0 m standard lead without armor.

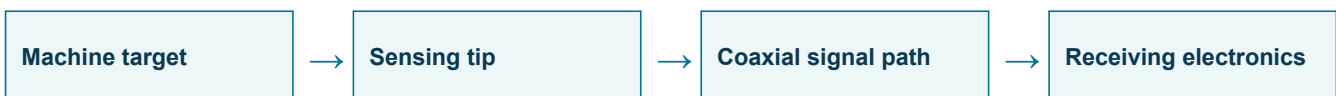
Feature 4

Terminates in the code-02 ClickLoc connector without a protector.

VERIFIED DATA SNAPSHOT

Probe family	3300 5 mm
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 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 5 mm	Mounting thread M8 x 1
Armor Without armor	Unthreaded length 0 mm
Overall case length 50 mm	Total length 1.0 m
Connector ClickLoc, no connector protector	Approval option Not required

IMPORTANT NOTICE

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

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 3300 5 mm Proximity Transducer System Datasheet 172036 Rev. T.
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 330173-00-05-10-02-00 marking before removing the installed probe.
- 02 Confirm the mounting interface is M8 x 1 and that the case provides adequate thread engagement.
- 03 Keep the probe, extension cable and Proximitor sensor at the documented matched 3300 5 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 restricted-clearance shaft 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 mounting thread is machined on 330173-00-05-10-02-00?	The 330173 metric probe uses M8 x 1.
How much unthreaded case length does 330173-00-05-10-02-00 have?	Code 00 specifies 0 mm; the 50 mm case is fully threaded.

Release record and technical references

CLOSEOUT QUESTIONS

Which case length is encoded by 05 in 330173-00-05-10-02-00?	For the metric 330173 ordering string, 05 specifies 50 mm.
What is the total probe length of 330173-00-05-10-02-00?	Code 10 specifies 1.0 m.
Does the connector on 330173-00-05-10-02-00 have a protector?	No. Option 02 selects the ClickLoc connector without protector.
Why must target size be checked for 330173-00-05-10-02-00?	The compact 5 mm tip requires the documented target geometry to preserve calibrated response.
Which extension-cable family is used with 330173-00-05-10-02-00?	Use the extension arrangement documented for the matched 3300 5 mm system and confirm total electrical length.
What should be verified after gapping 330173-00-05-10-02-00?	Confirm stable bias voltage, correct response direction and the expected dynamic signal at the monitor.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330130-070-01-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330879-03-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330190-045-01-05	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 3300 5 mm Proximity Transducer System Datasheet 172036 Rev. T.
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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