Bently Nevada 330106-05-30-15-02-00

Installation & Commissioning Guide

Bently Nevada 330106-05-30-15-02-00 is a 3300 XL 8 mm non-contact probe with a M10 x 1 reverse-mount case, 30 mm fixed overall case and 1.5 m integral lead. It connects through miniature clickloc coaxial connector within a matched transducer system.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the M10 x 1 reverse-mount case defined for the 330106 probe family.

Feature 2

Provides 5 mm fixed of unthreaded case and 30 mm fixed overall case length.

Feature 3

Carries a 1.5 m integral lead with miniature clickloc coaxial connector.

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	M10 x 1 reverse-mount
Case construction	without armor

SYSTEM RELATIONSHIP

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

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

Transducer family 3300 XL 8 mm	**Measurement principle** Non-contact eddy current
Mounting thread M10 x 1 reverse-mount	**Case construction** without armor
Unthreaded section 5 mm fixed	**Overall case length** 30 mm fixed
Integral lead length 1.5 m	**Termination** Miniature ClickLoc coaxial connector
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 330106-05-30-15-02-00
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.

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

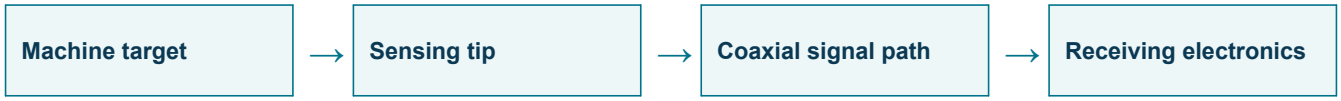
Installation sequence

CONTROLLED WORK STEPS

01	Match the complete 330106-05-30-15-02-00 marking and the assigned machine point before removal.
02	Confirm the M10 x 1 reverse-mount 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

How does the 30 mm fixed body function inside the 3300 XL 8 mm chain for 330106-05-30-15-02-00?	It belongs to the 3300 XL 8 mm proximity-transducer system.
Which mounting boss must match the M10 x 1 reverse-mount, 30 mm fixed interface of 330106-05-30-15-02-00?	The probe case uses M10 x 1 reverse-mount.
How does its 5 mm fixed unthreaded section affect adjustment of 330106-05-30-15-02-00?	The selected unthreaded section is 5 mm fixed.
What clearance confirms the 30 mm fixed body can reach the target for 330106-05-30-15-02-00?	The ordering string specifies 30 mm fixed overall case length.

Release record and technical references

CLOSEOUT QUESTIONS

Why is the 1.5 m lead included in the 3300 XL 8 mm electrical length of the 30 mm fixed probe 330106-05-30-15-02-00?	The probe contributes 1.5 m of integral cable to the matched electrical length.
What must be inspected on the Miniature ClickLoc coaxial connector fitted to the 30 mm fixed body of 330106-05-30-15-02-00?	It uses Miniature ClickLoc coaxial connector.
Why must the extension cable stay paired with the 30 mm fixed/1.5 m probe 330106-05-30-15-02-00?	Changing probe or extension-cable length changes the calibrated electrical path to the Proximitor sensor.
How do bias voltage and direction confirm the M10 x 1 reverse-mount, 30 mm fixed probe is gapped on 330106-05-30-15-02-00?	A controlled target movement should produce the expected bias change and proportional channel response without diagnostic faults.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330104-00-10-10-02-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330104-00-10-10-02-CN	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330104-00-10-10-02-cn	Installation-planning reference. Confirm the execution independently for the intended task.

CONFIGURATION AND FINAL CONTROL

Configuration identity	Bently Nevada 330106-05-30-15-02-00
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.

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