Bently Nevada 330103-00-16-10-02-00

Installation & Commissioning Guide

Bently Nevada 330103-00-16-10-02-00 is an unarmored M10 x 1 3300 XL 8 mm proximity probe for a matched probe, extension-cable and Proximitor sensor system.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Uses a M10 x 1 unarmored probe case.

Feature 2

Provides the documented 0 mm unthreaded length and 160 mm case length case selection.

Feature 3

Terminates the 1.0 m lead with a miniature ClickLoc connector.

Feature 4

Works as one calibrated element of the 3300 XL 8 mm transducer system.

TECHNICAL DATA SNAPSHOT

Transducer family	3300 XL 8 mm
Measurement principle	Non-contact eddy current
Mounting thread	M10 x 1
Probe case selection	0 mm unthreaded length and 160 mm case length

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

Probe case selection

0 mm unthreaded length and 160 mm case length

Integral lead

1.0 m

Termination

Miniature ClickLoc coaxial connector with standard cable

System scale factor

7.87 V/mm (200 mV/mil) in a matched system

System rule

Probe plus extension cable must match Proximitor electrical length

IMPORTANT NOTICE

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

DOCUMENT AND WORK CONTROLS

Manufacturer document	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

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

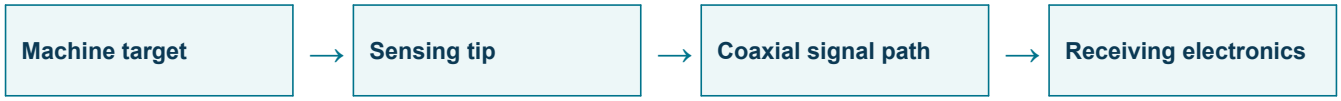
Installation sequence

CONTROLLED WORK STEPS

01	Confirm the complete 330103-00-16-10-02-00 marking and the documented 3300 xl 8 mm proximity probe position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed transducer family, measurement principle and mounting thread before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path 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 CHECKS

Radial vibration

Measures shaft motion relative to the bearing.

Axial position

Tracks non-contact shaft displacement.

Keyphasor service

Provides a once-per-turn reference when configured.

Machine commissioning

Supports gap and dynamic-response checks.

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 transducer family applies to Bently Nevada 330103-00-16-10-02-00?	The documented transducer family is 3300 XL 8 mm; confirm it against the installed record.
How is measurement principle set on Bently Nevada 330103-00-16-10-02-00?	The documented measurement principle is Non-contact eddy current; confirm it against the installed record.

Release record and technical references

CLOSEOUT QUESTIONS

What mounting thread belongs to Bently Nevada 330103-00-16-10-02-00?	The documented mounting thread is M10 x 1; confirm it against the installed record.
Why verify probe case selection for Bently Nevada 330103-00-16-10-02-00?	The documented probe case selection is 0 mm unthreaded length and 160 mm case length; confirm it against the installed record.
Where is integral lead used by Bently Nevada 330103-00-16-10-02-00?	The documented integral lead is 1.0 m; confirm it against the installed record.
What controls termination on Bently Nevada 330103-00-16-10-02-00?	The documented termination is Miniature ClickLoc coaxial connector with standard cable; confirm it against the installed record.
How is system scale factor tested on Bently Nevada 330103-00-16-10-02-00?	The documented system scale factor is 7.87 V/mm (200 mV/mil) in a matched system; confirm it against the installed record.
Which record preserves system rule for Bently Nevada 330103-00-16-10-02-00?	The documented system rule is Probe plus extension cable must match Proximitor electrical length; confirm it against the installed record.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 990-05-50-01-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 991-06-XX-01-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 3300/45	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER DOCUMENT AND FINAL CONTROL

Manufacturer document	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

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.