Bently Nevada 330101-30-63-10-02-00

Complete Product Information

Bently Nevada 330101-30-63-10-02-00 is a unarmored 3300 XL 8 mm proximity probe with a 3/8-24 UNF thread, 1.0 m integral lead and miniature clickloc coaxial connector with standard cable. It forms the sensing end of a matched eddy-current transducer system.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses a 3/8-24 UNF threaded case for the selected mounting interface.

Feature 2

Provides a unarmored lead with a total length of 1.0 m.

Feature 3

Terminates through miniature clickloc coaxial connector with standard cable.

Feature 4

Operates as part of a matched probe, extension cable and Proximitor sensor chain.

VERIFIED DATA SNAPSHOT

Transducer family	3300 XL 8 mm
Measurement principle	Non-contact eddy current
Mounting thread	3/8-24 UNF
Unthreaded section	3.0 in

SYSTEM RELATIONSHIP

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

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Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Transducer family	3300 XL 8 mm
Measurement principle	Non-contact eddy current
Mounting thread	3/8-24 UNF
Unthreaded section	3.0 in
Overall case length	6.3 in
Integral lead length	1.0 m
Lead construction	Flexible insulated coaxial lead
Termination	miniature ClickLoc coaxial connector with standard cable
System matching	Probe plus extension cable equals Proximitor system length

SELECTION ANCHORS

- Uses a 3/8-24 UNF threaded case for the selected mounting interface.
- Provides a unarmored lead with a total length of 1.0 m.
- Terminates through miniature clickloc coaxial connector with standard cable.
- Operates as part of a matched probe, extension cable and Proximitor sensor chain.

IMPORTANT NOTICE	Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

MANUFACTURER SOURCE CONTROLS

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
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.

ADDITIONAL ENGINEERING CHECKS

What should be checked before setting the gap for Bently Nevada 330101-30-63-10-02-00?	Confirm target material, geometry, mounting clearance and the complete matched chain.
Which checks complete commissioning of Bently Nevada 330101-30-63-10-02-00?	Verify stable gap voltage, channel OK state, dynamic response and the protection path.

System role and architecture

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

APPLICATION POINTS

Radial vibration

Measure relative shaft motion at a qualified metallic target.

Axial position

Track shaft position where the mechanical range and mounting are suitable.

Phase reference

Provide a shaft-event signal when the receiving channel supports the application.

Condition monitoring

Deliver dynamic displacement and static gap information to compatible electronics.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The proximity probe must remain within its intended measurement or monitoring chain. Match its interfaces, wiring and channel configuration before returning protection to service.

ENGINEERING REVIEW QUESTIONS

Which sensing family includes Bently Nevada 330101-30-63-10-02-00?	It belongs to the 3300 XL 8 mm proximity-transducer family.
What mounting interface is selected for Bently Nevada 330101-30-63-10-02-00?	The probe uses a 3/8-24 UNF thread with a 3.0 in unthreaded section and 6.3 in overall case.
How long is the integral lead on Bently Nevada 330101-30-63-10-02-00?	The selected lead length is 1.0 m.
What cable construction is used by Bently Nevada 330101-30-63-10-02-00?	This execution is unarmored.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm the complete 330101-30-63-10-02-00 marking before removing the installed probe.
02	Verify the 3/8-24 UNF thread, 3.0 in unthreaded section and 6.3 in case clearance.
03	Match probe and extension-cable length to the installed Proximitor system length.
04	Keep the coaxial joint clean, dry and free from side load.
05	Do not shorten, splice or twist the calibrated probe lead.
06	Maintain the required target material, diameter and side-view clearance.
07	Set the working gap from the matched system response and machine procedure.
08	Record gap voltage, channel OK state and dynamic response before release.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE	Use the complete ordering string and verify every mating component before installation.

APPLICATION BOUNDARIES

Radial vibration	Measure relative shaft motion at a qualified metallic target.
Axial position	Track shaft position where the mechanical range and mounting are suitable.
Phase reference	Provide a shaft-event signal when the receiving channel supports the application.
Condition monitoring	Deliver dynamic displacement and static gap information to compatible electronics.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

Which sensing family includes Bently Nevada 330101-30-63-10-02-00?	It belongs to the 3300 XL 8 mm proximity-transducer family.
What mounting interface is selected for Bently Nevada 330101-30-63-10-02-00?	The probe uses a 3/8-24 UNF thread with a 3.0 in unthreaded section and 6.3 in overall case.
How long is the integral lead on Bently Nevada 330101-30-63-10-02-00?	The selected lead length is 1.0 m.
What cable construction is used by Bently Nevada 330101-30-63-10-02-00?	This execution is unarmored.
Which connector option is fitted to Bently Nevada 330101-30-63-10-02-00?	It uses miniature clickloc coaxial connector with standard cable.
How should Bently Nevada 330101-30-63-10-02-00 be matched to the signal conditioner?	Probe length plus extension-cable length must equal the Proximitor system length.

RELATED MODELS ON APTERPOWER

Bently Nevada 330103-00-03-10-02-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330103-00-04-05-02-05	Related product reference. Compare the required interface and system position.
Bently Nevada 330103-00-04-10-01-05	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
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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