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

Complete Product Information

The probe places an 8 mm eddy-current sensing tip at the machine measurement point with a 0 mm unthreaded length and 160 mm case length case configuration and a 1.0 m integral lead.

WHAT THIS PRODUCT DOES

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 characteristic 1

Uses a M10 x 1 unarmored probe case.

Product characteristic 2

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

Product characteristic 3

Terminates the 1.0 m lead with a miniature ClickLoc connector.

Product characteristic 4

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

PRODUCT-PAGE TECHNICAL 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

IMPORTANT NOTICE

Record the installed 330103-00-16-10-02-00 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

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

FEATURE INTERPRETATION

Product identity

Uses a M10 x 1 unarmored probe case.

System role

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

Service context

Terminates the 1.0 m lead with a miniature ClickLoc connector.

Return-to-service focus

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

SIGNAL OR CONTROL PATH

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

Use 330103-00-16-10-02-00 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL 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.
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.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

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.

APPLICATION VERIFICATION MAP

Radial vibration	Confirm the documented system position and the required operating function.
Axial position	Compare the restored connection or control path with the approved record.
Keyphasor service	Check the physical interface and the retained configuration before startup.
Machine commissioning	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link does not establish interchangeability.

APPLICATION 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.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

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.

FREQUENTLY ASKED TECHNICAL 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.
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.

IMPORTANT NOTICE	Confirm the complete 330103-00-16-10-02-00 identity and every mating interface before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, document reference and related models

ADDITIONAL TECHNICAL QUESTIONS

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.

MANUFACTURER DOCUMENT REFERENCE

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.

RELATED MODELS ON APTERPOWER

Bently Nevada 3300/47	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3500/50E	Related product reference. Compare the required interface and system position.
Bently Nevada 3500/23E	Related product reference. Confirm the execution independently for the intended task.

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