

330103-00-02-10-02-05

Bently Nevada 3300 XL 8 mm Proximity Probe

Exact unarmored, metric-thread standard-mount probe configuration for a matched 3300 XL 8 mm Proximity Transducer System.

MECHANICAL

M10 x 1

0 mm unthreaded; 20 mm overall case length

PROBE LENGTH

1.0 m

Standard integral cable arrangement

CONNECTION

ClickLoc

Miniature coaxial connector; standard cable

APPROVAL

05

CSA, ATEX, IECEx

System function

In the matched transducer system, the probe observes distance to a conductive target. The Proximity Sensor conditions that response for machine-monitoring functions such as shaft vibration, static position and qualified phase/speed reference measurement.

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Three interface paths, one controlled configuration.

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Measurement chain

1. Conductive target

The monitored shaft or approved target provides the surface observed by the probe.

2. 330103 probe

The probe responds to distance changes without mechanical contact.

3. Cable arrangement

The installed lead and extension-cable selection establish the documented system length.

4. Proximitior Sensor

The sensor conditions the eddy-current response for the monitoring channel.

Model-specific application cards

Radial shaft vibration

Supports non-contact observation of dynamic shaft motion on fluid-film-bearing machines.

Axial or static position

Supports observation of shaft displacement within the documented linear operating arrangement.

Keyphasor reference

Can provide a phase-reference sensing point under the manufacturer's application conditions.

Speed-related sensing

Can support a documented speed-measurement channel using the manufacturer's proximity-probe guidance.

Identity and mechanical configuration		Connection, trade and logistics fields	
Manufacturer	Bently Nevada	Total probe length	1.0 m
Complete model	330103-00-02-10-02-05	Connector	Miniature coaxial ClickLoc
Product family	3300 XL 8 mm Proximity Probe	Cable type	Standard cable
Base probe model	330103	Agency approval option	CSA, ATEX, IECEx
Mounting thread	M10 x 1	Probe tip diameter	8.0 mm
Cable armor	Without armor	Country of origin	USA
Unthreaded length	0 mm	HS code	8537101190
Overall case length	20 mm	Shipping location	Xiamen, Fujian, China

Selection boundary

Treat the full code as one configuration. A change to thread, case length, total length, connector/cable option or approval suffix requires an installation-specific engineering review; a similar-looking 3300 XL probe is not automatically an equivalent replacement.

Frequently asked questions

1 What is 330103-00-02-10-02-05?
It is the unarmored, metric-thread standard-mount probe configuration for a Bently Nevada 3300 XL 8 mm Proximity Transducer System.

3 What does 330103-00-02-10-02-05 measure?
In the matched system, the probe supports non-contact measurement of shaft position and dynamic shaft vibration.

5 What must be checked before installing 330103-00-02-10-02-05?
Confirm the full ordering code, M10 x 1 thread, 20 mm case clearance, cable route, connector, 1.0 m total system length and installed companion hardware.

7 Can a similar 3300 XL probe replace 330103-00-02-10-02-05?
Only after the complete ordering code and matched system configuration have been checked against the installed equipment documentation.

2 Which system components are used with 330103-00-02-10-02-05?
Use it only in a documented matched 3300 XL system with the applicable extension-cable arrangement and Proximitor Sensor.

4 Can 330103-00-02-10-02-05 provide a Keyphasor reference?
Yes, when applied within the manufacturer's documented probe geometry, target requirements and monitoring-channel conditions.

6 How should 330103-00-02-10-02-05 be commissioned?
Set and verify the operating gap and confirm the expected system signal using the approved machine and monitoring-system procedure.

8 What records should be retained for 330103-00-02-10-02-05?
Record the complete model, installed companion components, final mechanical position, gap verification and commissioning results.

Six release precautions

1 Identity
Confirm 330103-00-02-10-02-05 and approval option 05 on the physical probe before work begins.

2 Mechanical fit
Verify M10 x 1 engagement, 20 mm case clearance, probe-holder geometry and target position against the machine drawing.

3 Cable handling
Protect the integral lead and ClickLoc connector from crushing, contamination, sharp bends and tensile loading.

4 System matching
Match the probe, extension-cable arrangement and Proximitor Sensor to the documented 1.0 m total transducer-system length.

5 Target and gap
Verify conductive target geometry and establish the operating gap with the approved commissioning procedure.

6 Return to service
Document the final mounting, routing, connection and signal checks before the monitored machine is released.

Eight verified same-series Apter Power pages

1. 330101-00-18-10-02-00
2. 330101-00-26-05-01-05
3. 330101-00-12-10-11-00
4. 330102-00-40-10-01-05
5. 330101-00-29-10-02-00
6. 330101-00-12-05-01-05
7. 330101-00-53-10-12-05
8. 330101-00-31-15-02-05

Official manufacturer evidence

Bently Nevada datasheet 141194 Rev. AM

The official datasheet contains the 3300 XL 8 mm system description, measurement applications, ordering information and exact probe option fields used for this product record.

Document control

Prepared by	Apter Power
Document type	Complete Product Information Dashboard
Model	330103-00-02-10-02-05
Revision	R2
Evidence	Bently Nevada datasheet 141194 Rev. AM

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