

330102-00-20-10-02-00

Bently Nevada 3300 XL 8 mm Proximity Probe

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

MECHANICAL 3/8-24 UNF 0.0 in unthreaded; 2.0 in overall case length	PROBE LENGTH 1.0 m Standard integral cable arrangement	CONNECTION ClickLoc Miniature coaxial connector; standard cable	APPROVAL 00 Not required
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System function

In the matched transducer system, the probe observes distance to a conductive target. The Proximitor 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. 330102 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	330102-00-20-10-02-00	Connector	Miniature coaxial ClickLoc
Product family	3300 XL 8 mm Proximity Probe	Cable type	Standard cable
Base probe model	330102	Agency approval option	Not required
Mounting thread	3/8-24 UNF	Probe tip diameter	8.0 mm
Cable armor	With armor	Country of origin	USA
Unthreaded length	0.0 in	HS code	8537101190
Overall case length	2.0 in	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 330102-00-20-10-02-00?

It is the armored, English-thread standard-mount probe configuration for a Bently Nevada 3300 XL 8 mm Proximity Transducer System.

3

What does 330102-00-20-10-02-00 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 330102-00-20-10-02-00?

Confirm the full ordering code, 3/8-24 UNF thread, 2.0 in case clearance, cable route, connector, 1.0 m total system length and installed companion hardware.

7

Can a similar 3300 XL probe replace 330102-00-20-10-02-00?

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 330102-00-20-10-02-00?

Use it only in a documented matched 3300 XL system with the applicable extension-cable arrangement and Proximitor Sensor.

4

Can 330102-00-20-10-02-00 provide a Keyphasor reference?

Yes, when applied within the manufacturer's documented probe geometry, target requirements and monitoring-channel conditions.

6

How should 330102-00-20-10-02-00 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 330102-00-20-10-02-00?

Record the complete model, installed companion components, final mechanical position, gap verification and commissioning results.

Six release precautions

1

Identity

Confirm 330102-00-20-10-02-00 and approval option 00 on the physical probe before work begins.

2

Mechanical fit

Verify 3/8-24 UNF engagement, 2.0 in 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	330102-00-20-10-02-00
Revision	R2
Evidence	Bently Nevada datasheet 141194 Rev. AM

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