

APTER POWER PRODUCT TECHNICAL REFERENCE

330101-00-40-10-02-05

3300 XL 8 mm Proximity Probe

330101-00-40-10-02-05 is the unarmored, English-thread standard-mount probe configuration for the Bently Nevada 3300 XL 8 mm Proximity Transducer System.

Manufacturer	Bently Nevada
Complete model	330101-00-40-10-02-05
Product family	3300 XL 8 mm Proximity Probe
Base probe model	330101
Mounting thread	3/8-24 UNF
Cable armor	Without armor
Unthreaded length	0.0 in
Overall case length	4.0 in

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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330101-00-40-10-02-05

1. Exact ordering-code configuration

The complete identifier must be interpreted as a single ordered configuration. The table below records the code fields used for this exact probe; it does not transfer values from another suffix.

330101	3/8-24 UNF probe family; without armor
AA = 00	0.0 in unthreaded length
BB = 40	4.0 in overall case length
CC = 10	1.0 m total probe length
DD = 02	Miniature coaxial ClickLoc connector; standard cable
EE = 05	CSA, ATEX, IECEx

2. Role in the measurement chain

The probe is the sensing element in a matched eddy-current transducer loop. With the documented extension-cable arrangement and Proximity Sensor, probe-to-target motion is converted into a conditioned voltage used by the host machine-monitoring system.

Probe	Senses distance to the conductive target
Extension cable	Completes the documented system-length arrangement
Proximity Sensor	Conditions the eddy-current response
Monitoring channel	Receives the proximity signal for the configured machine function

3. Verified product parameters

Mounting thread	3/8-24 UNF
Cable armor	Without armor
Unthreaded length	0.0 in
Overall case length	4.0 in
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc
Cable type	Standard cable
Agency approval option	CSA, ATEX, IECEx
Probe tip diameter	8.0 mm
Country of origin	USA
HS code	8537101190
Shipping location	Xiamen, Fujian, China

4. Supported engineering applications

Radial shaft vibration

Non-contact observation of dynamic shaft motion on fluid-film-bearing machinery.

Axial or static position

Observation of shaft displacement within the documented transducer-system and target conditions.

Keyphasor reference

Phase-reference sensing when installed to the manufacturer's documented target and channel conditions.

Speed-related sensing

Use as a proximity sensing point in a documented speed-measurement arrangement.

5. Model-specific engineering FAQ

1

What is 330101-00-40-10-02-05?

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

5

What must be checked before installing 330101-00-40-10-02-05?

Confirm the full ordering code, 3/8-24 UNF thread, 4.0 in case clearance, cable route, connector, 1.0 m total system length and installed companion hardware.

2

Which system components are used with 330101-00-40-10-02-05?

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

6

How should 330101-00-40-10-02-05 be commissioned?

Set and verify the operating gap and confirm the expected system signal using the approved machine and monitoring-system procedure.

3

What does 330101-00-40-10-02-05 measure?

In the matched system, the probe supports non-contact measurement of shaft position and dynamic shaft vibration.

7

Can a similar 3300 XL probe replace 330101-00-40-10-02-05?

Only after the complete ordering code and matched system configuration have been checked against the installed equipment documentation.

4

Can 330101-00-40-10-02-05 provide a Keyphasor reference?

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

8

What records should be retained for 330101-00-40-10-02-05?

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

6. Related 3300 XL 8 mm records

The following distinct Apter Power pages are provided for same-series comparison. Verify the full ordering code before treating any related configuration as interchangeable.

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

7. Official manufacturer source

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet - 141194 Rev. AM

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