330101-04-36-10-02-05

Bently Nevada | 3300 XL 8 mm Proximity Probe

Bently Nevada 330101-04-36-10-02-05 3300 XL 8 mm Proximity Probe

Product details

Manufacturer part number
330101-04-36-10-02-05

Shipping
Swift global dispatch

Condition
New, original product

Shipping size (est.)
1.6cm × 1.4cm × 114cm

Country of Origin
USA

Weight
0.1 kg

Overview

The 1.0 m lead is one part of the 3300 XL 8 mm sensing chain. Cable and sensor selection determine the calibrated total electrical length used by the monitor.

The 330101 construction is an unarmored, standard-mount 8 mm probe. The 04 and 36 options set the unthreaded and overall case lengths; installation clearance and the threaded bracket must match those dimensions before the sensing gap is set.

The 10 option gives this probe a 1.0 m integral cable. It is paired with a separately selected 3300 XL 8 mm extension cable and Proximitor Sensor so the combined length equals the sensor system-length marking. The 02 connector option uses a standard ClickLoc cable without a protector.

The final 05 ordering option specifies the listed agency approvals. Confirm the marking on the offered unit and the full installed loop against the hazardous-area design before energizing; the approval option alone does not establish every site installation condition.

Alternative Names

330101 04 36 10 02 05 | Bently Nevada 3300 XL 8 mm standard-mount probe, 1.0 m lead

Technical specifications

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Probe tip diameter
8 mm

Case thread
3/8-24 UNF-2A

Probe cable armor
Without armor

Unthreaded case length
0.4 in (option 04)

Overall case length
3.6 in (option 36)

Probe and integral cable length
1.0 m (option 10)

Cable construction
Standard cable

Connector
Miniature coaxial ClickLoc; no protector

Approval option
05: CSA, ATEX and IECEx approvals

Probe mounting form
Standard mount

System matching
Use a 3300 XL 8 mm extension cable and Proximitor Sensor selected for the intended total system length

Technical notes

Ordering relationship: The five option groups separately define case geometry, integral cable length, connector and approvals; compare the complete marking rather than the 330101 base number alone.

Measurement chain: Use an extension cable and Proximitor Sensor selected for the same total 3300 XL 8 mm system length; calibration and output characteristics belong to that matched system.

Technical source: Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN. The ordering options identify this probe; system performance depends on a matched probe, extension cable and Proximitor Sensor.

Applications and precautions

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System and supply context: 330101-04-36-10-02-05 supplies the 1.0 m probe segment; choose the extension cable and sensor for the complete 3300 XL 8 mm chain unless already itemized.

Platform applications: A matched system can monitor noncontact shaft position and vibration on suitable machinery, subject to target material, mounting and calibration conditions.

Applications / Compatibility

Shaft vibration

Position the tip at the approved target and verify the installed monitor channel is configured for the matched 3300 XL 8 mm system.

Thrust position

Check the axial target and mechanical travel against the selected system range before setting the reference gap.

Speed and phase reference

Use a suitable target feature and monitoring input; verify the observed event timing with a controlled rotation test.

Legacy probe replacement

Compare the full case code, 1.0 m lead, ClickLoc connector and 05 approval marking before reusing the installed extension cable and sensor.

Product Precautions

01 Confirm the complete code

Compare 330101-04-36-10-02-05 on the offered label with the maintenance record; a different length or connector changes the installed configuration.

02 Check mechanical clearance

Verify the 3/8-24 mounting thread, 0.4 in unthreaded length and 3.6 in case fit the bracket and target before adjustment.

03 Preserve the matched length

Record the 1.0 m probe lead, extension cable and Proximitor Sensor part numbers; confirm their combined length against the sensor system-length marking.

04 Protect the connection

Keep the miniature coaxial ClickLoc connection clean and strain relieved. Verify any separately supplied protector against the installed arrangement.

05 Verify approval marking

Match the offered 05 approval option and installation drawing to the site's hazardous-area requirements before applying power.

06 Record baseline response

After installation, check gap voltage and controlled machine response using the approved monitor procedure before returning the channel to service.

Lifecycle and ordering

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Lifecycle Status

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A current lifecycle phase for this exact complete probe configuration has not been confirmed.

Support and replacement

Keep the 3300 XL 8 mm probe, extension cable and Proximitor Sensor within a matched system length; compare the case, connector, approval marking and installed target before approving a replacement.

Apter Power availability

The offered unit quantity and dispatch date are confirmed separately in the quotation.

Available Unit Details

Offered reference

Bently Nevada 330101-04-36-10-02-05. Condition: New, original product.

Identity check

Check the complete 330101-04-36-10-02-05 marking: 04 case tip, 36 case length, 10 integral cable, 02 ClickLoc connection and 05 approval option. Match the installed case and system length.

Included items

Confirm whether a connector protector, extension cable, Proximitor Sensor and mounting hardware are included in the offer; they are separate unless itemized.

What happens after you enquire

1 Review your reference

Send the complete 330101-04-36-10-02-05 marking, installed cable and Proximitor Sensor references, and required quantity.

2 Confirm the offer

Review the offered probe condition, complete code, included accessories, quantity and dispatch date in the quotation.

3 Arrange dispatch

Confirm the accepted quantity and delivery destination so dispatch can be arranged.

Ordering checks

Match the complete marking

Match the complete 330101-04-36-10-02-05 marking, probe case, cable and approval option with the installed system before ordering.

Check the offered item before ordering

Request photos of the offered 330101-04-36-10-02-05 and have your maintenance team compare them with the installed probe and the applicable Bently Nevada 3300 XL 8 mm documentation before ordering.

Technical FAQ and Downloads

Bently Nevada | 330101-04-36-10-02-05

How should the system length be checked when installing 330101-04-36-10-02-05?

Add the 1.0 m integral lead to the selected extension cable and compare the total with the Proximitor Sensor system-length marking. Check all three part numbers before adjusting the probe gap.

What mechanical checks matter before replacing 330101-04-36-10-02-05?

Compare the 3/8-24 case thread, 0.4 in unthreaded portion, 3.6 in overall case and available target clearance with the removed assembly. Confirm the probe can be adjusted without contacting the target.

How can an intermittent signal on 330101-04-36-10-02-05 be isolated?

Inspect the ClickLoc junction for contamination or strain, then check cable continuity and the monitor's gap voltage under a controlled condition. Compare the response with the previously recorded channel baseline.

Does 330101-04-36-10-02-05 have a connector protector?

Option 02 specifies standard cable with a miniature coaxial ClickLoc connector and no protector. If a protector is required for the installed arrangement, confirm it is separately itemized.

Downloads on the product page

330101-04-36-10-02-05 Technical Reference

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN; official excerpt, 6 pages.

330101-04-36-10-02-05 Installation & Commissioning Guide

Apter Power field guide covering complete-code checks, matched system length, installation and acceptance; 3 pages.

Use the published page controls for the technical reference and field guide. The View PDF control opens this product-page document.

Other Apter Power listings

- Bently Nevada 330130-085-00-02
- Bently Nevada 330101-00-12-05-02-05
- Bently Nevada 330102-04-16-10-02-00
- Bently Nevada 330104-00-16-10-02-00

Technical FAQ continued

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What does the final 05 approval option mean for 330101-04-36-10-02-05?

It selects the datasheet's CSA, ATEX and IECEx approval option. Check the actual unit marking and the applicable site wiring drawing; approval of the probe configuration does not replace a complete loop review.

Can 330101-04-36-10-02-05 be treated as a complete proximity transducer system?

No. The ordered item is the probe. Verify the extension cable and Proximitor Sensor separately and confirm they form the intended calibrated 3300 XL 8 mm system before accepting the monitor reading.

What should be recorded during commissioning of 330101-04-36-10-02-05?

Record the probe, extension cable and sensor markings, installed target and gap voltage. Compare the response to the machine's approved monitor setup at a controlled operating condition.

Why might 330101-04-36-10-02-05 fit mechanically but give an incorrect reading?

A mechanically fitting probe can still be paired with an extension cable or Proximitor Sensor of the wrong total length. Check the 1.0 m integral lead and both companion markings before changing the monitor setup.

Other Apter Power listings

Bently Nevada 330104-00-24-10-02-00
Bently Nevada 330130-035-00-00
Bently Nevada 330103-00-07-20-02-00
Bently Nevada 330901-00-30-10-11-05

Ask about the complete marking

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