330101-00-27-90-02-00

Bently Nevada | 3300 XL 8 mm Proximity Probe

Bently Nevada 330101-00-27-90-02-00 3300 XL 8 mm Proximity Probe

Product details

Manufacturer part number
330101-00-27-90-02-00

Shipping
Swift global dispatch

Condition
New, original product

Shipping size (est.)
1.5cm × 1.3cm × 66.5cm

Country of Origin
USA

Weight
0.05 kg

Overview

This long-lead 330101 probe is a single 9.0 m segment of the 3300 XL 8 mm measurement chain. Its length must match the 9.0 m Proximitor Sensor configuration.

The 330101 base number identifies an unarmored 8 mm probe with 3/8-24 UNF thread. Option 00 leaves no unthreaded case length; option 27 sets 2.7 in overall case length. Verify bracket thread, insertion depth and shaft target clearance before installation.

Option 90 specifies 9.0 m total probe length, including its integral cable. Pair this probe directly with the designated 9.0 m 3300 XL Proximitor Sensor; adding an extension changes the electrical length and is not part of this specified chain.

Option 02 specifies standard cable and a miniature coaxial ClickLoc connector without protector; option 00 does not request agency approval. Inspect the offered unit marking and the site drawing before use.

Alternative Names

Bently Nevada 330101 00 27 90 02 00 | 3300 XL 8 mm unarmored probe, order groups 00 / 27 / 90 / 02 / 00

Technical specifications

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Probe tip diameter
8 mm

Case thread
3/8-24 UNF

Probe cable armor
Without armor (330101)

Unthreaded case length
0.0 in (option 00)

Overall case length
2.7 in (option 27)

Total probe length
9.0 m, including integral cable (option 90)

Cable type
Standard triaxial probe cable (option 02)

Connector
Miniature coaxial ClickLoc; no connector protector (option 02)

Approval option
00: agency approval not required

Probe mounting form
Imperial standard mount

System pairing
9.0 m probe with matching 9.0 m 3300 XL Proximitor Sensor; no added extension cable

Technical notes

Ordering relationship: AA and BB specify imperial case geometry; CC is total probe length; DD is cable and connector; EE is agency approval.

Length boundary: Option 90 means the probe itself totals 9.0 m. Select a matching 9.0 m Proximitor Sensor without an added extension cable.

Technical source: Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN. Its ordering table identifies the 330101 construction and all five option groups.

Applications and precautions

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System and supply context: 330101-00-27-90-02-00 supplies a 9.0 m unarmored probe segment and an unprotected ClickLoc connection; the matching 9.0 m Proximitor Sensor is a separate item unless specified.

Platform applications: A correctly matched 3300 XL 8 mm system supports noncontact shaft vibration, position or phase reference measurements when the target, monitor input and site procedure are suitable.

Applications / Compatibility

Shaft vibration

Install at a suitable shaft target and verify the monitoring channel is configured for a 9.0 m 3300 XL 8 mm system.

Axial position

Check shaft travel and target material against the approved measurement range before setting reference gap.

Speed or phase reference

Use a suitable target feature and compatible monitor input, then verify event timing during a controlled test.

Long lead replacement

Compare 3/8-24 thread, 2.7 in case, 9.0 m lead, unprotected ClickLoc and 00 approval option with the removed assembly.

Product Precautions

01 Verify complete marking

Compare all groups of 330101-00-27-90-02-00 with the maintenance record; a different lead length or connector changes the measurement chain.

02 Protect the long cable

Route the 9.0 m unarmored lead away from abrasion, hot surfaces, tight bends and tensile load.

03 Avoid length mismatch

Use the matching 9.0 m Proximitor Sensor. Do not add an extension cable to this 9.0 m integral lead.

04 Inspect the connection

The option 02 ClickLoc has no connector protector; check mating surfaces, moisture protection and strain relief.

05 Confirm approvals

Option 00 requests no agency approval. Verify the actual unit label and site requirements before energizing.

06 Record baseline

After mounting and gap setting, observe the channel under the approved controlled machine procedure.

Lifecycle and ordering

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Lifecycle Status

330101-00-27-90-02-00 status

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

Support and replacement

Match the 9.0 m probe to a 9.0 m Proximitor Sensor. Compare the 2.7 in case, ClickLoc connection and approval marking before replacement.

Apter Power availability

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

Available Unit Details

Offered reference

Bently Nevada 330101-00-27-90-02-00. Condition: New, original product.

Identity check

Check the complete 330101-00-27-90-02-00 marking: unarmored 330101 probe, 00 unthreaded section, 27 overall case, 90 total probe length, 02 standard ClickLoc without protector and 00 approval selection.

Included items

The listed item is the probe with its integral 9.0 m lead. Confirm whether a matching 9.0 m Proximitor Sensor and mounting hardware are included in the quotation; they are separate unless itemized.

What happens after you enquire

1 Review your reference

Send the complete 330101-00-27-90-02-00 marking, installed 9.0 m sensor reference, required quantity and site conditions.

2 Confirm the offer

Review the offered condition, full 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 9.0 m chain

Compare offered 330101-00-27-90-02-00 with the installed 3/8-24 thread, 2.7 in case, 9.0 m cable, ClickLoc connector and matching 9.0 m sensor.

Confirm the complete offer

Request product photos and itemization of the sensor and mounting hardware before accepting the quotation.

Technical FAQ and Downloads

Bently Nevada | 330101-00-27-90-02-00

What does the 330101 base number in 330101-00-27-90-02-00 identify?

An unarmored 3300 XL 8 mm proximity probe with 3/8-24 UNF case thread.

What are the case lengths of 330101-00-27-90-02-00?

Option 00 gives 0.0 in unthreaded case length and option 27 gives 2.7 in overall case length.

Does option 90 on 330101-00-27-90-02-00 mean a 9.0 m integral probe?

Yes. The datasheet defines 90 as 9.0 m total probe length, including the attached cable.

Which sensor length should be used with 330101-00-27-90-02-00?

Pair the 9.0 m probe with a 9.0 m 3300 XL Proximitor Sensor. Do not add an extension to this specified chain.

Downloads on the product page

330101-00-27-90-02-00 Technical Reference

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN; original datasheet, 42 pages.

330101-00-27-90-02-00 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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Does 330101-00-27-90-02-00 include a connector protector?

No. Option 02 specifies standard cable and a ClickLoc miniature coaxial connector without protector.

What does the final 00 on 330101-00-27-90-02-00 mean?

It is the agency approval option marked not required; verify the offered unit label against site requirements.

Why can 330101-00-27-90-02-00 fit mechanically but read incorrectly?

Mechanical fit does not prove electrical length or monitor configuration. Confirm 9.0 m probe and sensor markings plus target and gap.

What should be recorded after installing 330101-00-27-90-02-00?

Record the complete probe code, 9.0 m sensor code, cable route, target, gap voltage and controlled response.

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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