Bently Nevada 330101-00-10-10-02-05

8 mm Proximity Probe

Bently Nevada 330101-00-10-10-02-05 is a standard-mount unarmored 3300 XL 8 mm probe with 3/8-24 UNF-2A threads, 1 in case and 1 m total probe length.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	330101-00-10-10-02-05
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	1.6cm x 1.4cm x 117cm
Country of Origin	USA
Weight	0.05 kg
Manufacturer	Bently Nevada
Product Category	Machinery Monitoring Systems
Tariff Code	8537101190

Buyer information / Overview

Shallow bearing port requires the selected standard-mount body and the 3300 XL 8 mm sensing chain to be reviewed together.

Close-port installation
The short body serves a sensing point near the mounting surface.

Contactless shaft tracking
The matched eddy-current channel observes position without touching the target.

Compact service path
A detachable local lead permits inspection around the bearing housing.

The short 1.0 in body is intended for an imperial port close to the measured shaft. Compared with a longer case, it leaves less adjustment reach; the port depth must allow the sensing face to reach its operating gap while the locknut remains correctly engaged.

The unarmored one-metre lead requires local restraint so that housing vibration and maintenance handling do not pull on the cable exit. A separate extension, when fitted, must be selected to match the driver rather than to compensate for insufficient body reach.

The system observes both static position and dynamic displacement. The short mechanical arrangement still requires the same review of side-view metal, target material and gap margin as a longer probe; compact fit does not eliminate those measurement constraints.

Controller platform reference: 3300 XL 8 mm transducer system. Use the matched installation.

Technical specifications

Sensing tip diameter	8 mm
Case thread	3/8-24 UNF-2A
Unthreaded length	0 in
Overall case length	1 in
Total probe length	1 m
Probe cable impedance	75 ohm
Probe DC resistance	7.59 +/-0.50 ohm
Minimum cable bend radius	25.4 mm
Recommended case torque	11.2 N m
Maximum connector torque	0.565 N m
Maximum thread engagement	0.563 in
Matched-system linear span	2.0 mm
Matched-system sensitivity	7.87 V/mm
Recommended system gap	1.27 mm / -9 V DC

Geometry and probe resistance describe this selected assembly. Span, sensitivity and gap refer to the complete 3300 XL 8 mm chain under the target, temperature, supply and load conditions in Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN.

Technical source: Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN

Apter Power product summary; original technical pages and a separate field guide are available in Downloads.

Applications / Compatibility

System and supply context: The short one-inch case serves a shallow imperial mounting position. Adequate locknut retention must remain available when the sensing face reaches its working gap.

Application scope: A compact mechanical installation can still experience side-view influence from nearby housing metal. Verify the actual port and target before accepting a probe-only or extension-based electrical arrangement.

Shallow bearing port

A close-to-shaft port needs enough adjustment to establish gap while the short case remains properly retained; avoid installation by tip contact.

Compact one-metre channel

For a compact direct-driver arrangement, confirm that the actual driver is the documented one-metre execution before omitting an extension.

Shallow-port retention

Where body length is limited, compare final target reach and retained thread together; cable length cannot supply missing mechanical adjustment.

Close-housing target exposure

Review conductive metal around the short case when checking a startup offset, particularly if the replacement position differs from the earlier datum.

Product Precautions

Check retained thread at working gap

The short case must reach the target while keeping the locknut securely within its intended mounting region.

Do not use shaft contact as a stop

Keep the sensing face clear during initial threading; establish the final operating point electrically under the approved stopped-machine procedure.

Relieve the first cable turn

Provide room beside the short body so the one-metre lead is not bent sharply against the bearing housing.

Distinguish probe from system length

A one-metre lead can be used only with its documented driver/extension arrangement, not automatically with any Proximitor labeled for a longer chain.

Investigate a suspected rub

Inspect the tip and response after contact. Normal continuity cannot clear mechanical damage to the sensing face.

Assess startup offset at the same datum

Compare the rest position, connector condition and installed gap before assigning the entire offset to machine movement.

Lifecycle Status

330101-00-10-10-02-05: Current factory lifecycle phase is unconfirmed. Shallow bearing port remains the relevant installed application for this complete geometry and lead selection.

Retain the one-inch case only where the shallow port still provides secure nut retention at the intended gap. A longer cable or electronic offset adjustment cannot correct a mechanically short replacement.

The quotation covers the compact imperial probe with a one-metre lead. A direct one-metre driver arrangement is supplied only when separately identified; a short body does not imply a complete compact channel.

Available Unit Details

Inspect the short imperial body at its retaining region and compare the complete one-metre option code; document any sensing-face mark that could indicate shaft contact.

Request photographs of the short body with its nut and sensing tip visible. Inspect for target-contact damage and a sharply bent cable exit, both of which can occur when a shallow port has insufficient installation clearance.

Included items: one short one-inch imperial probe and one-metre integral lead; no alternate-length body, mounting sleeve or driver is included by implication

Technical notes

Short-case fit	The short body has limited mechanical adjustment. A suitable electrical chain cannot correct inadequate reach or insecure retention in a deep port.
Contact damage	Tip impact changes the acceptance question from continuity to sensing integrity; verify response before reusing a probe suspected of contacting the shaft.
Compact-port influence	Surrounding conductive metal can affect even a short, apparently well-fitting probe. Compare exposure and final target response after the housing is assembled.

Alternative Names

330101 00 10 10 02 05; 330101/00/10/10/02/05

Frequently Asked Questions (FAQ)

What proves that the short body of 330101-00-10-10-02-05 can reach the target?	Compare port depth, locknut seating and required sensing gap before installation. Do not accept a short body that reaches the target only with inadequate thread retention.
Can an extension cable compensate for insufficient mechanical reach of 330101-00-10-10-02-05?	No. An extension changes the electrical route, not the distance from the mounting port to the sensing tip. Select the correct mechanical body separately.
How should 330101-00-10-10-02-05 be protected during insertion into a shallow port?	Keep the tip clear of the target while engaging the thread, then set gap by the approved stopped-machine procedure. Avoid driving the sensing face into the shaft.
Why can a shallow counterbore still affect 330101-00-10-10-02-05?	Nearby conductive walls can enter the sensing field even when the port is short. Compare tip exposure and surrounding metal with the family side-view data.
How is a direct one-metre installation using 330101-00-10-10-02-05 distinguished from a five-metre channel?	Read the Proximitor length identity and trace whether an extension is present. The same one-metre probe does not make the two driver calibrations interchangeable.
What should be checked if 330101-00-10-10-02-05 indicates a large startup offset?	Compare final mechanical gap, connector condition, target location and the recorded shaft rest position. Resolve installation changes before attributing the entire offset to machine movement.
Can 330101-00-10-10-02-05 be used with a contacting shaft surface?	The probe is noncontacting. A rub or impact can damage the tip and invalidate the measured response; investigate clearance and inspect the probe after contact.
How should channel alarm settings be handled after replacing 330101-00-10-10-02-05?	Restore the approved channel configuration and validate polarity, gap and operating response. Changing a probe does not justify arbitrary alarm changes to hide an installation discrepancy.

Downloads

330101-00-10-10-02-05 Official Technical Reference Excerpt (PDF)	Original XL 8 mm system specifications and applicable probe construction.
330101-00-10-10-02-05 Installation and Commissioning Guide (PDF)	Apter Power field guide for shallow bearing port, diagnostic decisions and final acceptance evidence.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include 330101-00-10-10-02-05 and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered 330101-00-10-10-02-05 reference with the installed equipment and applicable Bently Nevada documentation.

Related product references

These are separate product references; compatibility is assessed for each installed application.

Bently Nevada 330907-05-30-05-02-00

Bently Nevada 330104-00-07-90-02-05

Engineering contact

Discuss 330101-00-10-10-02-05 and the installed application with Apter Power. sales13@apterpower.com | +86 18030235313