

APTER POWER

COMPLETE PRODUCT INFORMATION

330909-00-99-10-02-00

3300 XL NSv Proximity Probe

Bently Nevada 330909-00-99-10-02-00 is an armored 3300 XL NSv proximity probe with a long threaded case. It senses shaft displacement for a matched NSv Proximitor Sensor and monitor input.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL NSv Proximity Transducer System

PART

330909-00-99-10-02-00

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 330909-00-99-10-02-00 is an armored 3300 XL NSv proximity probe with a long threaded case. It senses shaft displacement for a matched NSv Proximator Sensor and monitor input.

1

Measures displacement where limited target area restricts probe size

2

Provides a 1.5 mm matched-system linear range

3

Uses a long threaded case for deep mounting geometry

4

Carries the signal through an armored one-metre lead

SYSTEM COMPONENTS

3300 XL NSv Proximator Sensor

330930 extension cable when required

compatible monitor channel

small-diameter steel target

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL proximity probe	Open product page
200150-09-CN	General-purpose accelerometer	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Probe body thread	3/8-24 UNF
Mechanical protection	Flexible stainless-steel armor
Unthreaded length	0.0 in
Overall case length	9.9 in
Integral lead length	1.0 m
Connector execution	ClickLoc without protector
Linear range	1.5 mm

PARAMETER	VALUE
Recommended gap	1.0 mm
Scale factor	7.87 V/mm, +12.5/-20%
Frequency response	0 to 10 kHz, +0/-3 dB
Minimum flat target	8.9 mm diameter
Recommended target	13 mm diameter
Maximum field wiring	305 m

TECHNICAL NOTE

Confirm the deep-mount 9.9-inch case does not contact rotating hardware, maintain NSv probe-spacing rules, match total cable length, and verify the 1.0 mm static gap.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Small-shaft radial vibration

Measures displacement where limited target area restricts probe size

Tight-clearance axial position

Provides a 1.5 mm matched-system linear range

Compact bearing-housing measurements

Uses a long threaded case for deep mounting geometry

Machine shaft centerline trending

Carries the signal through an armored one-metre lead

PRODUCT PRECAUTIONS

- 1 Verify 330909-00-99-10-02-00 and its 9.9-inch case before insertion.
- 2 Secure the rotor and place the protection channel in maintenance state.
- 3 Protect the small NSv tip and 3/8-24 UNF thread.
- 4 Confirm insertion depth and full shaft clearance before tightening.
- 5 Maintain published separation from adjacent probes to prevent crosstalk.
- 6 Support the armored lead and keep the ClickLoc connection clean.
- 7 Match probe and extension cable to the NSv Proximitor system length.
- 8 Verify gap, polarity, vibration response, and alarms before service.

ENGINEER FAQ

Q1 Which installed hardware must be matched before fitting 330909-00-99-10-02-00?

Match the complete 330909-00-99-10-02-00 marking to 3300 XL NSv Proximity Sensor and 330930 extension cable when required, then confirm the assigned 3300 XL NSv Proximity Transducer System position and approved system configuration.

Q3 What isolation is required before installing 330909-00-99-10-02-00?

Place small-shaft radial vibration in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.

Q5 How can an engineer function-test 330909-00-99-10-02-00 after installation?

Apply a controlled input, reference, or limited output appropriate to 3300 xl nsv proximity probe, observe the system indication and diagnostics, and confirm the intended process response.

Q7 Can 330909-00-99-10-02-00 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q2 How should the field connections for 330909-00-99-10-02-00 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 330909-00-99-10-02-00.

Q4 Which configuration check is essential when commissioning 330909-00-99-10-02-00?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q6 What should be checked if 330909-00-99-10-02-00 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q8 What commissioning evidence should be retained for 330909-00-99-10-02-00?

Retain the full 330909-00-99-10-02-00 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.