

APTER POWER

COMPLETE PRODUCT INFORMATION

330909-00-80-10-02-00

3300 NSv 3/8-24 armored proximity probe

It is a narrow-side-view armored probe for non-contacting shaft position and vibration measurement in a matched 3300 NSv system.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL NSv Proximity Transducer System

PART

330909-00-80-10-02-00

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

It is a narrow-side-view armored probe for non-contacting shaft position and vibration measurement in a matched 3300 NSv system.

1

Uses a long 8.0-inch threaded case

2

Fits a 3/8-24 UNF mounting thread

3

Protects the one-metre lead with stainless-steel armor

4

Supports confined small-shaft measurements

SYSTEM COMPONENTS

3300 XL NSv Proximator Sensor

matched NSv extension cable when required

small AISI 4140 steel target

compatible Bently Nevada monitor channel

TECHNICAL NOTE

Confirm the long-case mounting clearance and 3/8-24 thread engagement, support the armored lead, maintain required probe-tip separation and verify the one-metre NSv response over the intended gap range.

TECHNICAL DATA

PARAMETER	VALUE
Part number	330909-00-80-10-02-00
Probe thread	3/8-24 UNF
Cable armor	Stainless steel
Unthreaded length	0.0 in
Overall case length	8.0 in
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc

PARAMETER	VALUE
Connector protector	Not included
Agency approval option	00
Probe resistance	4.2 +/- 0.5 ohm
Cable impedance	75 ohm coaxial
Recommended case torque	11.3 N m (100 in lbf)
Minimum bend radius	25.4 mm (1.0 in)
Operating temperature	-52 to +177 degC

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330101-30-61-10-02-05	Related Bently Nevada product	View 330101-30-61-10-02-05 page
991-06-70-02-05	Related Bently Nevada product	View 991-06-70-02-05 page
330703-000-090-50-02-00	Related Bently Nevada product	View 330703-000-090-50-02-00 page
330101-65-96-10-02-00	Related Bently Nevada product	View 330101-65-96-10-02-00 page
330101-08-24-10-02-00	Related Bently Nevada product	View 330101-08-24-10-02-00 page
330102-00-25-10-02-00	Related Bently Nevada product	View 330102-00-25-10-02-00 page
330901-00-55-05-02-05	Related Bently Nevada product	View 330901-00-55-05-02-05 page
24701-00-00-15-037-04-02	Related Bently Nevada product	View 24701-00-00-15-037-04-02 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Small-shaft radial vibration

Uses a long 8.0-inch threaded case

Confined axial-position sensing

Fits a 3/8-24 UNF mounting thread

Process-compressor proximity loops

Protects the one-metre lead with stainless-steel armor

NSv transducer-system renewal

Supports confined small-shaft measurements

PRODUCT PRECAUTIONS

- 1 Verify the complete 330909-00-80-10-02-00 marking and its documented 3300 XL NSv Proximity Transducer System position before field work.
- 2 Place the monitored machine and associated protection channel in the approved maintenance state before disconnecting 3300 NSv 3/8-24 armored proximity probe.
- 3 Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330909-00-80-10-02-00 is open.
- 4 Record probe, extension-cable and Proximity Sensor identities so the calibrated system length is preserved.
- 5 Route 330909-00-80-10-02-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.
- 6 Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
- 7 Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
- 8 Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.

ENGINEER FAQ

Q1 Does 330909-00-80-10-02-00 match 3300 XL NSv Proximity Sensor in a Small-shaft radial vibration installation?

Verify the complete 330909-00-80-10-02-00 marking, the documented 3300 XL NSv Proximity Transducer System position and the installed 3300 XL NSv Proximity Sensor before fitting the assembly.

Q2 How should 330909-00-80-10-02-00 be wired when it must use a long 8.0-inch threaded case?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330909-00-80-10-02-00; then continuity-test the affected path.

Q3 Which 3300 XL NSv Proximity Transducer System records should be captured before removing 330909-00-80-10-02-00?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330909-00-80-10-02-00 before disconnection.

Q4 What controlled test confirms that 330909-00-80-10-02-00 can fit a 3/8-24 unf mounting thread?

Apply the approved field or simulated stimulus, observe the 3300 XL NSv Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which matched NSv extension cable when required condition should be checked when 330909-00-80-10-02-00 reports an abnormal state?

Check the matched NSv extension cable when required supply, seating and connection first, then compare channel diagnostics with the recorded 330909-00-80-10-02-00 baseline.

Q6 Can 330909-00-80-10-02-00 be moved directly into Confined axial-position sensing without validating compatible Bently Nevada monitor channel?

No. Confirm the compatible Bently Nevada monitor channel, revision, connection scheme and 3300 XL NSv Proximity Transducer System configuration before transferring 330909-00-80-10-02-00 to that duty.

Q7 What maintenance evidence is required after 330909-00-80-10-02-00 is used for Process-compressor proximity loops?

Retain the nameplate record, corrective action, final diagnostics and a controlled process-compressor proximity loops functional-test result for 330909-00-80-10-02-00.

Q8 How should 330909-00-80-10-02-00 be returned to service in NSv transducer-system renewal?

Restore power under control, verify protects the one-metre lead with stainless-steel armor, exercise the intended signal path and release 330909-00-80-10-02-00 only after the 3300 XL NSv Proximity Transducer System remains in its approved operating state.

SOURCE 3300 XL NSv Proximity Transducer System Datasheet | 147385 Rev. R

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