

APTER POWER

COMPLETE PRODUCT INFORMATION

330909-00-60-10-01-05

3300 XL NSv Armored Proximity Probe

330909-00-60-10-01-05 measures shaft-to-bearing relative displacement where the compact NSv probe geometry is required and sends the eddy-current signal to a matched NSv Proximity Sensor.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL NSv Proximity Transd

PART

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PRODUCT OVERVIEW

330909-00-60-10-01-05 measures shaft-to-bearing relative displacement where the compact NSv probe geometry is required and sends the eddy-current signal to a matched NSv Proximitior Sensor.

1

Uses armored construction for protected probe-lead routing

2

Fits a 3/8-24 UNF threaded mounting position

3

Uses a protected ClickLoc coaxial connection

4

Supports confined radial-vibration and axial-position installations

SYSTEM COMPONENTS

3300 XL NSv Proximitior Sensor

Matched NSv extension cable when required

Validated target material

Compatible Bently Nevada monitor channel

TECHNICAL NOTE

Match 330909-00-60-10-01-05 to the documented NSv system length and Proximitior Sensor. Preserve the protected ClickLoc connection, set the static gap in the NSv linear region, and prove channel polarity and response before service release.

TECHNICAL DATA

PARAMETER	VALUE
Complete order number	330909-00-60-10-01-05
Probe construction	Armored
Thread	3/8-24 UNF
Unthreaded length	0.0 in
Case length	6.0 in
Total probe length	1.0 m
Connector option	Miniature coaxial ClickLoc with protector
Probe-cable type	Standard cable
Approval option	Multiple approvals
Probe-tip diameter	5.26 mm maximum
System linear range	1.5 mm (60 mils)

PARAMETER	VALUE
Approximate linear-range limits	0.25 to 1.75 mm
Approximate output span	-1 to -13 V DC
Recommended gap	1.0 mm (40 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Scale-factor tolerance	+12.5% / -20%
Deviation from straight line	Less than +/-0.06 mm
Proximito Sensor supply	-17.5 to -26 V DC
Proximito Sensor current	12 mA maximum
Proximito Sensor output resistance	50 ohm
Field-wiring conductor range	0.2 to 1.5 mm ²
Maximum field-wiring length	305 m

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page
330103-00-16-10-02-05	3300 XL 8 mm metric proximity probe	View 330103-00-16-10-02-05 page
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv extension cable	View 330850-50-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Confined radial shaft-vibration measurement

Uses armored construction for protected probe-lead routing

Axial position monitoring

Fits a 3/8-24 UNF threaded mounting position

Small-shaft proximity measurement

Uses a protected ClickLoc coaxial connection

NSv probe-loop replacement

Supports confined radial-vibration and axial-position installations

PRODUCT PRECAUTIONS

- 1 Verify the complete 330909-00-60-10-01-05 marking, armor and 6.0 in case before probe removal.
- 2 Place the monitored machine and protection channel in the approved maintenance state.
- 3 Protect the compact NSv probe tip and the 3/8-24 UNF thread during handling.
- 4 Route the 1.0 m armored lead without kinks, crushing or unsupported tensile load.
- 5 Keep the protected ClickLoc interface clean and fully secured.
- 6 Confirm the installed NSv Proximitor Sensor and total system length before energization.
- 7 Set the static gap inside the documented NSv linear region.
- 8 Verify polarity, vibration response and alarm action before returning the channel to protection service.

ENGINEER FAQ

Q1 Does 330909-00-60-10-01-05 match 3300 XL NSv Proximity Sensor in a Confined radial shaft-vibration measurement installation?

Verify the complete 330909-00-60-10-01-05 marking, the documented Bently Nevada 3300 XL NSv Proximity Transducer System position and the installed 3300 XL NSv Proximity Sensor before fitting the assembly.

Q3 Which Bently Nevada 3300 XL NSv Proximity Transducer System records should be captured before removing 330909-00-60-10-01-05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330909-00-60-10-01-05 before disconnection.

Q5 Which Matched NSv extension cable when required condition should be checked when 330909-00-60-10-01-05 reports an abnormal state?

Check the Matched NSv extension cable when required supply, seating and connection first, then compare channel diagnostics with the recorded 330909-00-60-10-01-05 baseline.

Q7 What maintenance evidence is required after 330909-00-60-10-01-05 is used for Small-shaft proximity measurement?

Retain the nameplate record, corrective action, final diagnostics and a controlled small-shaft proximity measurement functional-test result for 330909-00-60-10-01-05.

Q2 How should 330909-00-60-10-01-05 be wired when it must uses armored construction for protected probe-lead routing?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330909-00-60-10-01-05; then continuity-test the affected path.

Q4 What controlled test confirms that 330909-00-60-10-01-05 can fits a 3/8-24 unf threaded mounting position?

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

Q6 Can 330909-00-60-10-01-05 be moved directly into Axial position monitoring without validating Compatible Bently Nevada monitor channel?

No. Confirm the Compatible Bently Nevada monitor channel, revision, connection scheme and Bently Nevada 3300 XL NSv Proximity Transducer System configuration before transferring 330909-00-60-10-01-05 to that duty.

Q8 How should 330909-00-60-10-01-05 be returned to service in NSv probe-loop replacement?

Restore power under control, verify uses a protected clickloc coaxial connection, exercise the intended signal path and release 330909-00-60-10-01-05 only after the Bently Nevada 3300 XL NSv Proximity Transducer System remains in its approved operating state.

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

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