

INDUSTRIAL AUTOMATION PRODUCT

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 Proximitor Sensor.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL NSv Proximity Transducer System
Part number	330909-00-60-10-01-05
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

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

VERIFIED PRODUCT RECORD

DATA GROUP	VERIFIED VALUE
Installed host / carrier	3300 XL NSv Proximito Sensor
Companion hardware	Matched NSv extension cable when required
Field connection	Validated target material
Primary system function	Uses armored construction for protected probe-lead routing
Controlled acceptance duty	Confined radial shaft-vibration measurement

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System Role and Architecture

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 Proximitor Sensor.

FUNCTION 1
Uses armored construction for protected probe-lead routing

FUNCTION 2
Fits a 3/8-24 UNF threaded mounting position

FUNCTION 3
Uses a protected ClickLoc coaxial connection

FUNCTION 4
Supports confined radial-vibration and axial-position installations

Matched system components

- 3300 XL NSv Proximitor Sensor
- Matched NSv extension cable when required
- Validated target material
- Compatible Bently Nevada monitor channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL NSv Proximitor Sensor
Companion hardware	Matched NSv extension cable when required
Field connection	Validated target material
Primary system function	Uses armored construction for protected probe-lead routing
Controlled acceptance duty	Confined radial shaft-vibration measurement

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Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330909-00-60-10-01-05 / 330909-00-60-10-01-05 recorded
Physical interface	3300 XL NSv Proximator Sensor
Companion check	Matched NSv extension cable when required
Functional proof	Uses armored construction for protected probe-lead routing
Application test	Confined radial shaft-vibration measurement

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 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

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet

147385 Rev. R

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