

INDUSTRIAL AUTOMATION PRODUCT

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 Proximity Sensor and monitor input.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL NSv Proximity Transducer System
Part number	330909-00-99-10-02-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



2

Technical Specifications

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

PARAMETER	TECHNICAL 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
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

3

System Role and Architecture

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 Proximitors Sensor and monitor input.

FUNCTION 1

Measures displacement where limited target area restricts probe size

FUNCTION 2

Provides a 1.5 mm matched-system linear range

FUNCTION 3

Uses a long threaded case for deep mounting geometry

FUNCTION 4

Carries the signal through an armored one-metre lead

Matched system components

- 3300 XL NSv Proximitors Sensor
- 330930 extension cable when required
- compatible monitor channel
- small-diameter steel target

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL NSv Proximitors Sensor
Companion hardware	330930 extension cable when required
Field connection	compatible monitor channel
Primary system function	Measures displacement where limited target area restricts probe size
Controlled acceptance duty	Small-shaft radial vibration

4

Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330909-00-99-10-02-00 / 330909-00-99-10-02-00 recorded
Physical interface	3300 XL NSv Proximitior Sensor
Companion check	330930 extension cable when required
Functional proof	Measures displacement where limited target area restricts probe size
Application test	Small-shaft radial vibration

5

Engineering 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.

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

MANUFACTURER SOURCE RECORD

3300 XL NSv Proximity Transducer System Datasheet
147385 Rev. R

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

