

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL NSv Proximity Transducer System
Part number	330909-00-80-10-02-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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



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Technical Specifications

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

PARAMETER	TECHNICAL 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
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

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System Role and Architecture

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

FUNCTION 1

Uses a long 8.0-inch threaded case

FUNCTION 2

Fits a 3/8-24 UNF mounting thread

FUNCTION 3

Protects the one-metre lead with stainless-steel armor

FUNCTION 4

Supports confined small-shaft measurements

Matched system components

- 3300 XL NSv Proximitior Sensor
- matched NSv extension cable when required
- small AISI 4140 steel target
- compatible Bently Nevada monitor channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL NSv Proximitior Sensor
Companion hardware	matched NSv extension cable when required
Field connection	small AISI 4140 steel target
Primary system function	Uses a long 8.0-inch threaded case
Controlled acceptance duty	Small-shaft radial vibration

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330909-00-80-10-02-00 / 330909-00-80-10-02-00 recorded
Physical interface	3300 XL NSv Proximitior Sensor
Companion check	matched NSv extension cable when required
Functional proof	Uses a long 8.0-inch threaded case
Application test	Small-shaft radial vibration

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Engineering 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 Proximitior 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
146054-034-20-02-05	Related Bently Nevada product	View 146054-034-20-02-05 page
330171-XX-XX-10-02-05-MO...	Related Bently Nevada product	View 330171-XX-XX-10-02-05-MO... page
330877-80-36-00	Related Bently Nevada product	View 330877-80-36-00 page
330878-X0-00-MOD-177889-01	Related Bently Nevada product	View 330878-X0-00-MOD-177889-01 page
330851-04-00-27-10-01-00	Related Bently Nevada product	View 330851-04-00-27-10-01-00 page
84508-30	Related Bently Nevada product	View 84508-30 page
330876-01-10-00-00	Related Bently Nevada product	View 330876-01-10-00-00 page
74712-03-11-02-00	Related Bently Nevada product	View 74712-03-11-02-00 page

MANUFACTURER SOURCE RECORD

3300 XL NSv Proximity Transducer System Datasheet

147385 Rev. R

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