

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

330909-00-80-10-02-00

3300 NSv 3/8-24 armored proximity probe

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330909-00-80-10-02-00
Manufacturer part	330909-00-80-10-02-00
Hardware type	330909-00-80-10-02-00
System family	3300 XL NSv Proximity Transducer System



APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

- 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 Proximitor 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330909-00-80-10-02-00 / 330909-00-80-10-02-00 recorded
Physical interface	3300 XL NSv Proximitor 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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐
- Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
- ☐
- Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
- ☐
- Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	330909-00-80-10-02-00
INSTALLED POSITION	Documented 3300 XL NSv Proximity Transducer System position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
74712-01-11-02-00	Related Bently Nevada product	View 74712-01-11-02-00 page
330171-00-08-20-02-00	Related Bently Nevada product	View 330171-00-08-20-02-00 page
330171-00-30-10-02-BR	Related Bently Nevada product	View 330171-00-30-10-02-BR page
135826-01	Related Bently Nevada product	View 135826-01 page
330904-00-10-50-02-05	Related Bently Nevada product	View 330904-00-10-50-02-05 page
330104-00-06-90-02-05	Related Bently Nevada product	View 330104-00-06-90-02-05 page
330910-00-06-70-02-05	Related Bently Nevada product	View 330910-00-06-70-02-05 page
21000-28-05-00-035-01-02	Related Bently Nevada product	View 21000-28-05-00-035-01-02 page

SOURCE IDENTIFIERS

3300 XL NSv Proximity Transducer System Datasheet
147385 Rev. R

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