

INDUSTRIAL AUTOMATION PRODUCT

330980-50-05

3300 XL NSv Proximitior Sensor

The sensor conditions the NSv probe signal into a proportional voltage for a connected machinery-monitoring channel.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL NSv Proximity Transducer System
Part number	330980-50-05
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
Complete catalog number	330980-50-05
Total system length	5.0 m
Mounting option	Panel mount
Approval option	Multiple approvals
System linear range	1.5 mm (60 mils)
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)
Frequency response	0 to 10 kHz, +0/-3 dB

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented 3300 XL NSv Proximity Sensor function
Controlled acceptance duty	3300 XL NSv Proximity Transducer System installed-base service

3

System Role and Architecture

The sensor conditions the NSv probe signal into a proportional voltage for a connected machinery-monitoring channel.

FUNCTION 1

Provides the documented 3300 XL NSv Proximitor Sensor function

FUNCTION 2

Maintains the engineered signal or power path

FUNCTION 3

Integrates with the specified host and companion hardware

FUNCTION 4

Supports controlled diagnostics and functional verification

Matched system components

- Documented host position and companion hardware
- Approved field or control wiring arrangement
- Recorded connector, shield and grounding system
- Configured monitor, controller or protection channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented 3300 XL NSv Proximitor Sensor function
Controlled acceptance duty	3300 XL NSv Proximity Transducer System installed-base service

4

Applications and Engineering Context

**3300 XL NSv Proximity Transducer System
installed-base service**

Provides the documented 3300 XL NSv Proximity Sensor function

**3300 XL NSv Proximity Transducer System
compatibility review**

Maintains the engineered signal or power path

**3300 XL NSv Proximity Transducer System
installation planning**

Integrates with the specified host and companion hardware

**3300 XL NSv Proximity Transducer System
controlled commissioning**

Supports controlled diagnostics and functional verification

TECHNICAL NOTE

Install 330980-50-05 only in the documented 3300 XL NSv Proximity Transducer System position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330980-50-05 / 330980-50-05 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented 3300 XL NSv Proximity Sensor function
Application test	3300 XL NSv Proximity Transducer System installed-base service

5

Engineering Precautions

1

Verify the complete 330980-50-05 marking and installed position before work.

2

Place the connected equipment in the approved maintenance state.

3

Isolate applicable power and signal energy before disconnecting wiring.

4

Use ESD controls and protect connectors from contamination or damage.

5

Record as-found cable, terminal, shield and grounding identity.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER 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
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet

147385 Rev. R

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