

330980-50-05

3300 XL NSv Proximito Sensor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL NSv Proximity Transducer System

PART

330980-50-05

ORIGIN / HS

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PRODUCT OVERVIEW

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

- 1 Provides the documented 3300 XL NSv Proximity Sensor function
- 2 Maintains the engineered signal or power path
- 3 Integrates with the specified host and companion hardware
- 4 Supports controlled diagnostics and functional verification

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

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.

TECHNICAL DATA

PARAMETER	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)

PARAMETER	VALUE
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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER 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
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximitior Sensor	View 330850-50-00 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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Restore only the approved system configuration for this exact catalog number.
- 7 Inspect mechanical mounting and cable support before energization.
- 8 Complete controlled diagnostics and a functional response test before release.

ENGINEER FAQ

Q1 Does 330980-50-05 match Documented host position and companion hardware in a 3300 XL NSv Proximity Transducer System installed-base service installation?

Verify the complete 330980-50-05 marking, the documented 3300 XL NSv Proximity Transducer System position and the installed Documented host position and companion hardware before fitting the assembly.

Q3 Which 3300 XL NSv Proximity Transducer System records should be captured before removing 330980-50-05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330980-50-05 before disconnection.

Q5 Which Approved field or control wiring arrangement condition should be checked when 330980-50-05 reports an abnormal state?

Check the Approved field or control wiring arrangement supply, seating and connection first, then compare channel diagnostics with the recorded 330980-50-05 baseline.

Q7 What maintenance evidence is required after 330980-50-05 is used for 3300 XL NSv Proximity Transducer System installation planning?

Retain the nameplate record, corrective action, final diagnostics and a controlled 3300 xl nsv proximity transducer system installation planning functional-test result for 330980-50-05.

Q2 How should 330980-50-05 be wired when it must provides the documented 3300 xl nsv proximitor sensor function?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330980-50-05; then continuity-test the affected path.

Q4 What controlled test confirms that 330980-50-05 can maintains the engineered signal or power path?

Apply the approved field or simulated stimulus, observe the 3300 XL NSv Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330980-50-05 be moved directly into 3300 XL NSv Proximity Transducer System compatibility review without validating Configured monitor, controller or protection channel?

No. Confirm the Configured monitor, controller or protection channel, revision, connection scheme and 3300 XL NSv Proximity Transducer System configuration before transferring 330980-50-05 to that duty.

Q8 How should 330980-50-05 be returned to service in 3300 XL NSv Proximity Transducer System controlled commissioning?

Restore power under control, verify integrates with the specified host and companion hardware, exercise the intended signal path and release 330980-50-05 only after the 3300 XL NSv Proximity Transducer System remains in its approved operating state.

SOURCE Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet | 147385 Rev. R

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