01 INSTALLATION & COMMISSIONING

Bently Nevada 330980-50-00

01 / PLAN AND IDENTIFY

Bently Nevada 330980-50-00 is a panel-mounted 3300 XL NSv Proximitor Sensor calibrated for a 5 m transducer system. It conditions the matched probe signal for small-target shaft vibration and position measurements.

Identity gate

330980	3300 XL NSv Proximitor Sensor
50	5.0 m system length; panel mount
00	Agency approval not required

Work boundary

Exact item	Installed context	Acceptance
330980-50-00	Mating component or rack position	Machine-specific functional check

01 Record the as-found item

Capture the complete identifier, installed point and mating components before removal. Apply the authorized isolation and protection-bypass procedure.

Related Bently Nevada models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330103-00-20-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.

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02 / PRE-INSTALLATION

Readiness gate

Identity	Full model and nameplate recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed

02 Inspect condition

Check the nameplate, mounting surfaces, connectors, cable or enclosure for damage and contamination. Reject an item whose exact identity or condition cannot be confirmed.

03 Review the source

147385 Rev. R: NSv system role pp. 1-2; electrical and range data pp. 3-4; environmental and mechanical limits pp. 5-6; exact 50/00 ordering selection p. 13; mounting isolation p. 15.

Related Bently Nevada models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
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03 / INSTALL AND CONNECT

04 / Installation check

Match the probe and extension cable to the five-metre 330980-50-00 calibration.

05 / Installation check

Retain the panel-mount isolation pad; grounding the housing can change the intended installation.

06 / Installation check

Apply the specified negative DC supply and verify voltage at the sensor under load.

07 / Installation check

Keep IN, OUT and COM conductors identified at the SpringLoc terminals.

08 / Installation check

Confirm the target and static gap against NSv calibration rather than XL 8 mm values.

Documented data to respect

Product Family	3300 XL NSv Proximitor Sensor
Electrical System Length	50 = 5.0 m system
Mounting Selection	50 = panel mount
Approval Option	00 = agency approval not required
Sensor Input	One 3300 RAM or NSv probe and extension cable
Terminal Strip	SpringLoc

Related Bently Nevada models

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04 / COMMISSION AND ACCEPT

09 Restore the documented assembly

The sensor completes the electronic end of an NSv proximity channel. Preserve its mounting isolation, negative DC supply, target calibration and five-metre electrical chain when moving or replacing the device.

10 Perform the functional check

Use the machine procedure to verify the expected static condition, signal path and operating response. A visual inspection alone is not commissioning evidence.

Acceptance record

Identity	Full model and nameplate recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

What linear range should be used for 330980-50-00?

Use the NSv system's 1.5 mm range, approximately 0.25 to 1.75 mm from the target, under the stated operating conditions.

Why is the mounting pad important for 330980-50-00?

The panel-mount isolation pad preserves the intended electrical isolation and mechanical installation.

How should supply voltage be checked at 330980-50-00?

Measure the negative DC supply at the sensor under load and apply the barrier-specific limit if barriers are installed.

Related Bently Nevada models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330103-00-20-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.

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05 / HANDOVER

Does 330980-50-00 include an agency approval?

No. The final 00 means agency approval is not required in the ordering code.

What should be tested after replacing 330980-50-00?

Verify the complete five-metre chain, supply, static gap voltage, monitor scaling and dynamic machine response.

Handover record

Identity	Exact model and installed location
Configuration	Mating items and relevant option fields
Inspection	Mechanical, cable and connector condition
Test	Authorized functional result and date

Related-product boundary

Recommended models are portfolio references. Compare every ordering field before selection.

Related Bently Nevada models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330103-00-20-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.

Manufacturer evidence

147385 Rev. R: NSv system role pp. 1-2; electrical and range data pp. 3-4; environmental and mechanical limits pp. 5-6; exact 50/00 ordering selection p. 13; mounting isolation p. 15.

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