

INDUSTRIAL AUTOMATION PRODUCT

330100-50-03

Legacy Proximity Sensor

The supplied identity is a legacy 3300 Proximity Sensor. Current Bently Nevada 3300 XL manuals describe the matched probe, extension cable and Proximity architecture, while suffix 03 remains controlled by the installed nameplate.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 proximity transducer system
Part number	330100-50-03

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Complete model	330100-50-03
Manufacturer	Bently Nevada
Product family	3300 proximity transducer system
Complete supplied identity	330100-50-03
Base product	330100 legacy Proximitor Sensor
System-length field	50; verify the installed five-metre system arrangement
Final suffix	03; retain exactly and verify from the nameplate or controlled legacy drawing
Measurement principle	Eddy-current proximity signal conditioning
System components	Matched probe, extension cable and Proximitor Sensor
Measured variables	Static position and dynamic vibration
Primary applications	Fluid-film bearing vibration/position, Keyphasor and speed
Connector system	Matched coaxial probe and extension-cable connection
Target reference	Confirm installed target material and calibration record



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System Role and Architecture

The supplied identity is a legacy 3300 Proximitor Sensor. Current Bently Nevada 3300 XL manuals describe the matched probe, extension cable and Proximitor architecture, while suffix 03 remains controlled by the installed nameplate.

FUNCTION 1

Retains the exact 330100-50-03 legacy identity

FUNCTION 2

Conditions a matched eddy-current proximity signal

FUNCTION 3

Supports static position and dynamic vibration measurement

FUNCTION 4

Requires exact nameplate and system-length verification

Matched system components

- 3300 proximity transducer system
- documented companion probe or cable
- approved field wiring and shielding
- monitoring-channel configuration record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 proximity transducer system
Companion hardware	documented companion probe or cable
Field connection	approved field wiring and shielding
Primary system function	Retains the exact 330100-50-03 legacy identity
Controlled acceptance duty	Radial shaft vibration



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Applications and Engineering Context

Radial shaft vibration

Retains the exact 330100-50-03 legacy identity

Shaft position

Conditions a matched eddy-current proximity signal

Keyphasor or speed reference

Supports static position and dynamic vibration measurement

Controlled legacy replacement

Requires exact nameplate and system-length verification

TECHNICAL NOTE

Do not infer suffix 03 from a neighboring model. Match 330100-50-03 to the installed nameplate, probe, extension cable, total system length, target material and monitor-channel calibration before commissioning.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330100-50-03 / 330100-50-03 recorded
Physical interface	3300 proximity transducer system
Companion check	documented companion probe or cable
Functional proof	Retains the exact 330100-50-03 legacy identity
Application test	Radial shaft vibration



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Engineering Precautions

1

Verify the complete 330100-50-03 nameplate and installed system position before work.

2

Place the connected machine and monitoring channel in the approved maintenance state before handling 330100-50-03.

3

Isolate the documented supply and field wiring before disconnecting 330100-50-03.

4

Record every terminal, cable, shield and companion component associated with 330100-50-03.

5

Protect the coaxial connection and prevent contamination or mechanical damage during replacement of 330100-50-03.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Bently Nevada 330101-00-08-10-02-00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101-00-08-05-02-00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-92-04-01-01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-33-SIL2-03-01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-22M-01-01-01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-15-05-05-01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-05-01-02-01-00-01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 3500-42M-SIL2-09-01	Bently Nevada monitoring product	Open Bently Nevada page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 8 mm Proximity Transducer System datasheet

141194 Rev. AM; supplied official series PDF used without decoding unsupported legacy suffix 03

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