APTER POWER

INDUSTRIAL AUTOMATION PRODUCT

330105-02-12-15-12-CN

3300 XL 8 mm Proximity Probe

Bently Nevada 330105-02-12-15-12-CN is a 3/8-24 UNF unarmored 3300 xl 8 mm proximity probe with a 1.5 m lead and Miniature coaxial FluidLoc connection. It senses shaft-to-bearing relative displacement in a matched proximity transducer system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Part number	330105-02-12-15-12-CN
Product role	Detects shaft-to-bearing relative movement without mechanical contact
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install 330105-02-12-15-12-CN only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

APTER POWER SALES TEAM

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PRODUCT TECHNICAL REFERENCE

Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Total lead length	1.5 m
HS code	8537101190	Frequency response	0 to 10 kHz, +0/-3 dB
Complete order number	330105-02-12-15-12-CN	Probe cable impedance	75 ohm
Probe construction	Reverse-mount	Probe temperature	-52 to +177 deg C
Mounting thread	3/8-24 UNF	Proximitor supply	-17.5 to -26 VDC
Unthreaded length	0.2 in	Field wiring	0.2 to 1.5 mm2
Case length	1.2 in	Maximum field wiring	305 m

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Primary system role	Detects shaft-to-bearing relative movement without mechanical contact
Connection boundary	Install 330105-02-12-15-12-CN only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.
Controlled acceptance duty	Radial shaft-vibration measurement

ENGINEERING BOUNDARY

Confirm the complete 330105-02-12-15-12-CN marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Pre-Installation Checks

1. Confirm the complete 330105-02-12-15-12-CN marking, 3/8-24 UNF thread and 1.2 in case execution.
2. Place the monitored machine and associated protection channel in the approved maintenance state.
3. Protect the 8.0 mm probe tip and keep the mounting thread free from burrs and contamination.
4. Route the 1.5 m unarmored probe lead without sharp bends, crushing or tensile loading.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	330105-02-12-15-12-CN
Installed host	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 330105-02-12-15-12-CN is a 3/8-24 UNF unarmored 3300 xl 8 mm proximity probe with a 1.5 m lead and Miniature coaxial FluidLoc connection. It senses shaft-to-bearing relative displacement in a matched proximity transducer system.

FUNCTION 1

Detects shaft-to-bearing relative movement without mechanical contact

FUNCTION 2

Forms the field sensing element of the matched eddy-current loop

FUNCTION 3

Carries the probe signal through the specified service connection

FUNCTION 4

Supports static-position and vibration measurements on rotating machinery

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 3300 XL 8 mm Proximity Transducer System
2	8537101190
3	Radial shaft-vibration measurement
4	Install 330105-02-12-15-12-CN only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Interface role	Detects shaft-to-bearing relative movement without mechanical contact
Field / power context	Use 330105-02-12-15-12-CN only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning evidence	Prove polarity, static position, dynamic response and alarm action before returning the channel to service.

Installation and Connection Checks

1. Keep the Miniature coaxial FluidLoc connection clean, dry and finger-tight.
2. Confirm the installed extension cable and Proximitor Sensor match the approved total system length.
3. Set the static gap within the documented linear region while maintaining target clearance.
4. Prove polarity, static position, dynamic response and alarm action before returning the channel to service.

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes document 141194 Rev. AM

Applications and Engineering Context

Radial shaft-vibration measurement

Measures shaft motion relative to the bearing housing in a matched proximity loop.

Axial position monitoring

Provides the field sensing point for a documented thrust-position channel.

Machine shaft centerline observation

Supplies slow-roll and static-position information for the configured monitor.

Probe replacement in a matched loop

Restores the exact mechanical and cable execution without changing system identity.

TECHNICAL NOTE

Install 330105-02-12-15-12-CN only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	330105-02-12-15-12-CN recorded
Host / carrier	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Physical interface	Detects shaft-to-bearing relative movement without mechanical contact
Configuration	Set the static gap within the documented linear region while maintaining target clearance.
Functional proof	Prove polarity, static position, dynamic response and alarm action before returning the channel to service.

IMPORTANT NOTICE

Confirm the complete 330105-02-12-15-12-CN marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	330105-02-12-15-12-CN
Approved role	Radial shaft-vibration measurement
Final validation	Prove polarity, static position, dynamic response and alarm action before returning the channel to service.

Engineering Precautions

1. Confirm the complete 330105-02-12-15-12-CN marking, 3/8-24 UNF thread and 1.2 in case execution.
2. Place the monitored machine and associated protection channel in the approved maintenance state.
3. Protect the 8.0 mm probe tip and keep the mounting thread free from burrs and contamination.
4. Route the 1.5 m unarmored probe lead without sharp bends, crushing or tensile loading.
5. Keep the Miniature coaxial FluidLoc connection clean, dry and finger-tight.
6. Confirm the installed extension cable and Proximitor Sensor match the approved total system length.
7. Set the static gap within the documented linear region while maintaining target clearance.
8. Prove polarity, static position, dynamic response and alarm action before returning the channel to service.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/25	Keyphasor module	View 3500/25 page
3500/40M	proximity monitor	View 3500/40M page
3500/42M	seismic monitor	View 3500/42M page
3500/45	position monitor	View 3500/45 page
330101-00-08-05-02-05	8 mm probe	View 330101-00-08-05-02-05 page
330101-00-20-20-02-CN	8 mm probe	View 330101-00-20-20-02-CN page
330103-00-04-10-02-00	metric probe	View 330103-00-04-10-02-00 page
330103-00-12-10-01-00	metric probe	View 330103-00-12-10-01-00 page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
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