

INDUSTRIAL AUTOMATION PRODUCT

330180-X1-05 MOD:145004-66

3300 XL 8 mm Proximitior Sensor

Bently Nevada 330180-X1-05 MOD:145004-66 is the documented 3300 XL 8 mm Proximitior Sensor for the Bently Nevada 3300 XL 8 mm proximity transducer system. It conditions the matched probe signal for the monitor channel.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 8 mm proximity transducer system
Part number	330180-X1-05 MOD:145004-66
Product role	Conditions the matched eddy-current probe signal
Lifecycle	Installed product record

DOCUMENT SCOPE

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

MODEL-SPECIFIC ENGINEERING NOTE

Match Bently Nevada 330180-X1-05 MOD:145004-66 to the documented host and mating interfaces, and record the as-found MOD 145004-66, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

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330180-X1-05
MOD:145004-66

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
System family	3300 XL 8 mm	Function	Proximity-signal conditioning
Component	Proximitor Sensor	Reference document	141194 Rev. AL

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 3300 XL 8 mm proximity transducer system
Primary system role	Conditions the matched eddy-current probe signal
Connection boundary	Match Bently Nevada 330180-X1-05 MOD:145004-66 to the documented host and mating interfaces, and record the as-found MOD 145004-66, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.
Controlled acceptance duty	Radial shaft-vibration conditioning

ENGINEERING BOUNDARY

Confirm Bently Nevada 330180-X1-05 MOD:145004-66, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

Pre-Installation Checks

1	Confirm Bently Nevada 330180-X1-05 MOD:145004-66 and the complete installed article marking.	2	Place the monitored machine and protection channel in the approved maintenance state.
3	Isolate the affected circuit and apply ESD-safe handling.	4	Record the installed position, connectors, cable route, shielding and MOD 145004-66 before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	330180-X1-05 MOD:145004-66
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 330180-X1-05 MOD:145004-66 is the documented 3300 XL 8 mm Proximitor Sensor for the Bently Nevada 3300 XL 8 mm proximity transducer system. It conditions the matched probe signal for the monitor channel.

FUNCTION 1
Conditions the matched eddy-current probe signal

FUNCTION 2
Interfaces the transducer loop with the monitor

FUNCTION 3
Supports static and dynamic displacement measurement

FUNCTION 4
Provides a defined replacement and verification path

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 3300 XL 8 mm proximity transducer system
2	Proximitor Sensor
3	Radial shaft-vibration conditioning
4	Match Bently Nevada 330180-X1-05 MOD:145004-66 to the documented host and mating interfaces, and record the as-found MOD 145004-66, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 8 mm proximity transducer system
Interface role	Conditions the matched eddy-current probe signal
Field / power context	The article is installed only with the documented Bently Nevada 3300 XL 8 mm proximity transducer system components. Commissioning preserves the exact suffix identity, physical interfaces, wiring, shielding, configuration and controlled response evidence.
Commissioning evidence	Complete a controlled response and alarm test before service release.

Installation and Connection Checks

1
Confirm the documented host, mating components and physical interfaces.

2
Restore the approved mounting, wiring, shielding and monitor configuration.

3
Review supply, bias, channel and monitor diagnostics after energization.

4
Complete a controlled response and alarm test before service release.

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes publication 141194 Rev. AL

Applications and Engineering Context

Radial shaft-vibration conditioning

Converts the proximity probe signal for a monitor channel.

Axial position monitoring

Provides conditioned displacement output for a thrust channel.

Machine centerline observation

Supports static position trending with the matched probe system.

Monitor-channel restoration

Restores a documented signal-conditioning position and bias response.

TECHNICAL NOTE

Match Bently Nevada 330180-X1-05 MOD:145004-66 to the documented host and mating interfaces, and record the as-found MOD 145004-66, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	330180-X1-05 MOD:145004-66 recorded
Host / carrier	Bently Nevada 3300 XL 8 mm proximity transducer system
Physical interface	Conditions the matched eddy-current probe signal
Configuration	Review supply, bias, channel and monitor diagnostics after energization.
Functional proof	Complete a controlled response and alarm test before service release.

IMPORTANT NOTICE

Confirm Bently Nevada 330180-X1-05 MOD:145004-66, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	330180-X1-05 MOD:145004-66
Approved role	Radial shaft-vibration conditioning
Final validation	Complete a controlled response and alarm test before service release.

Engineering Precautions

1	Confirm Bently Nevada 330180-X1-05 MOD:145004-66 and the complete installed article marking.	2	Place the monitored machine and protection channel in the approved maintenance state.
3	Isolate the affected circuit and apply ESD-safe handling.	4	Record the installed position, connectors, cable route, shielding and MOD 145004-66 before removal.
5	Confirm the documented host, mating components and physical interfaces.	6	Restore the approved mounting, wiring, shielding and monitor configuration.
7	Review supply, bias, channel and monitor diagnostics after energization.	8	Complete a controlled response and alarm test before service release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 3500-94	Related Apter Power product	View Bently Nevada 3500-94 page
Bently Nevada 990-04-50-01-00	Related Apter Power product	View Bently Nevada 990-04-50-01-00 page
Bently Nevada 3500-45-176449-04	Related Apter Power product	View Bently Nevada 3500-45-176449-04 page
Bently Nevada 330106-05-30-05-02-00	Related Apter Power product	View Bently Nevada 330106-05-30-05-02-00 page
Bently Nevada 330171-00-12-05-01-05	Related Apter Power product	View Bently Nevada 330171-00-12-05-01-05 page
Bently Nevada 330171-00-33-50-01-05	Related Apter Power product	View Bently Nevada 330171-00-33-50-01-05 page
Bently Nevada 330171-00-12-50-01-05	Related Apter Power product	View Bently Nevada 330171-00-12-50-01-05 page
Bently Nevada 86691-02150-0400-15-05	Related Apter Power product	View Bently Nevada 86691-02150-0400-15-05 page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
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