

330180-X1-05 MOD:143416-42

3300 XL 8 mm Proximitior Sensor

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 330180-X1-05 MOD:143416-42 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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

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330180-X1-05
MOD:143416-42

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm Bently Nevada 330180-X1-05 MOD:143416-42 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 143416-42 before removal.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	330180-X1-05 MOD:143416-42
Host / carrier	Bently Nevada 3300 XL 8 mm proximity transducer system
Primary system role	Conditions the matched eddy-current probe signal
Acceptance boundary	Complete a controlled response and alarm test before service release.
Source record	3300 XL 8 mm Proximity Transducer System Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Match Bently Nevada 330180-X1-05 MOD:143416-42 to the documented host and mating interfaces, and record the as-found MOD 143416-42, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm Bently Nevada 330180-X1-05 MOD:143416-42, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	330180-X1-05 MOD:143416-42
Host match	Bently Nevada 3300 XL 8 mm proximity transducer system
Connection proof	Restore the approved mounting, wiring, shielding and monitor configuration.
Configuration proof	Review supply, bias, channel and monitor diagnostics after energization.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Complete a controlled response and alarm test before service release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

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.

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
Bently Nevada 162381-064-028-50-05	Related Apter Power product	View Bently Nevada 162381-064-028-50-05 page
Bently Nevada 200151-XX-XX-XX-MOD-323357-15-03-00	Related Apter Power product	View Bently Nevada 200151-XX-XX-XX-MOD-323357-15-03-00 page
Bently Nevada 162381-078-027-50-05	Related Apter Power product	View Bently Nevada 162381-078-027-50-05 page
Bently Nevada 330103-00-12-10-12-05	Related Apter Power product	View Bently Nevada 330103-00-12-10-12-05 page
Bently Nevada 9200-06-01-11-04	Related Apter Power product	View Bently Nevada 9200-06-01-11-04 page
Bently Nevada 330851-04-000-030-10-01-05	Related Apter Power product	View Bently Nevada 330851-04-000-030-10-01-05 page
Bently Nevada 84510-30	Related Apter Power product	View Bently Nevada 84510-30 page
Bently Nevada 330104-10-15-10-01-05	Related Apter Power product	View Bently Nevada 330104-10-15-10-01-05 page

MANUFACTURER SOURCE RECORD

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

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