

330103-02-12-10-02-00

3300 XL 8 mm Metric Proximity Probe

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 330103-02-12-10-02-00 is a metric M10 × 1 forward-mount 3300 XL 8 mm proximity probe without armor, configured for a 1.0 m total length and standard ClickLoc connection. It senses shaft-to-bearing relative

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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Installation Readiness Gate

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

- 1

Confirm the full 330103-02-12-10-02-00 marking and the 20 mm / 120 mm case execution.
- 2

Place the monitored machine and protection channel in the approved maintenance state.
- 3

Protect the 8 mm PPS probe tip and keep the M10 × 1 mounting thread clean.
- 4

Route the standard 1.0 m probe lead without crushing, sharp bends or tensile loading.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	330103-02-12-10-02-00
Host / carrier	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Primary system role	Detects shaft-to-bearing relative movement without mechanical contact
Acceptance boundary	Verify polarity, vibration response and alarm action before returning the channel to service.
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

Install 330103-02-12-10-02-00 in the documented M10 × 1 probe position and preserve the 20 mm unthreaded length, 120 mm case execution and standard lead routing. Match the probe to the approved total system length and Proximi

- 1

Keep the miniature coaxial ClickLoc interfaces clean, dry and finger-tight.
- 2

Match the extension cable and Proximitor Sensor to the approved total system length.
- 3

Set static gap in the documented linear region while maintaining target clearance.
- 4

Verify polarity, vibration response and alarm action before returning the channel to service.

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 330103-02-12-10-02-00, M10 × 1 host thread, 20 mm unthreaded length, 120 mm case execution, unarmored lead, ClickLoc connector, extension cable, Proximitor Sensor, total system length, target material, wiring, shielding, grounding, monitor configuration, static gap and control

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	330103-02-12-10-02-00
Host match	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Connection proof	Match the extension cable and Proximitor Sensor to the approved total system length.
Configuration proof	Set static gap in the documented linear region while maintaining target clearance.

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

Verify polarity, vibration response and alarm action before returning the channel to service.

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

Maintenance Verification and Closeout

Radial shaft-vibration measurement

Measures relative shaft motion at a documented bearing location.

Axial position supervision

Observes controlled thrust-position movement with the approved target geometry.

Machine shaft centerline trending

Provides gap-voltage data for startup and operating-position analysis.

Probe-loop replacement

Restores a matched transducer loop requiring the 20 mm by 120 mm metric probe execution.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
330130-080-00-00	standard extension cable	View 330130-080-00-00 page
330180-50-00	Proximitior sensor	View 330180-50-00 page
330103-00-04-10-02-00	metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-01-00	metric proximity probe	View 330103-00-12-10-01-00 page
330104-00-04-10-02-05	armored metric probe	View 330104-00-04-10-02-05 page
330104-00-12-10-02-00	armored metric probe	View 330104-00-12-10-02-00 page
330104-03-06-10-02-00	armored metric probe	View 330104-03-06-10-02-00 page
330104-06-12-10-02-00	armored metric probe	View 330104-06-12-10-02-00 page

MANUFACTURER SOURCE RECORD

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

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