

Job Scope and Isolation

Bently Nevada 330101-00-52-10-02-05

This field guide addresses the unarmored 330101 probe as one component of a matched 3300 XL 8 mm transducer chain. Apply the approved plant isolation procedure and the manufacturer's installation drawing for the actual monitoring point.

Before Removing the Installed Probe

CHECK	ACCEPTANCE BASIS
Controlled machine state	Place the monitor channel in the approved maintenance state before separating the sensing chain.
Exact identity	Record the full 330101-00-52-10-02-05 ordering mark and installed approval designation.
Mating arrangement	Identify the installed cable path, ClickLoc interface and Proximity sensor configuration.
Calibration target	Compare the actual shaft target with the AISI 4140 standard calibration basis.
As-found signal	Record static output and monitored response before disturbing the probe, where plant procedure permits.

Do not release on appearance alone

An electrically connected probe is not an accepted transducer system. Verify pairing, gap, target material and channel response after installation.

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Pre-Installation Readiness

Probe and System Checks

ITEM	WHY THE MODEL-SPECIFIC CHECK MATTERS
330101 construction	The part is the imperial-thread, unarmored member of the 3300 XL 8 mm probe family.
Option 02 connector	Use the standard-cable miniature ClickLoc interface; no factory protector is designated by this option.
Option 05 approval	Check the installed CSA, ATEX or IECEx marking and its matching drawing for the location.
Target	Published system accuracy assumes AISI 4140 steel unless alternate calibration is approved.
Cable system	The probe and any required companion cable must match the Proximitor system selection.
Sensor supply	The Proximitor circuit must meet the relevant manufacturer supply specification.
Cable handling	Protect the unarmored lead and keep connector faces clean while routing.
Channel state	Confirm the receiving monitor channel is ready for a controlled return-to-service test.

Stop condition

Hold installation if the connector, approval designation, calibration target or companion sensor differs from the controlled replacement record.

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Connection and Controlled Start-Up Sequence

STEP	ACTION	EXPECTED RESULT
01	Confirm complete ordering identity and machine location.	The selected probe is the approved replacement.
02	Inspect the probe tip, case, unarmored cable and connector.	No damage, contamination or strained lead.
03	Install in the matching imperial-thread mounting point.	Mounting and probe position follow the drawing.
04	Route and support the lead through its protected path.	No abrasion, tight bends or unsupported pull.
05	Mate ClickLoc connectors by hand until engagement clicks.	Clean, locked connection; added environmental protection as required.
06	Pair the documented cable path and Proximitor sensor.	Complete transducer configuration matches the channel.
07	Set the static gap under controlled machine conditions.	Output is credible for the approved target calibration.
08	Check monitored response and restore the channel.	Recorded static and dynamic response meets plant acceptance.

Special approval review

Option 05 is an ordering selection, not permission to ignore installation drawings. Confirm the protection method on the actual product marking before energizing a hazardous-area circuit.

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Acceptance and Fault Isolation

Check - Result - Next Action

CHECK	EXPECTED RESULT	IF THE CHECK FAILS
Identity	Full ordered suffix and connector option agree.	Stop and reconcile the installed item.
Connection	ClickLoc joint is clean, engaged and protected.	Inspect both connector halves and cable.
Supply	Proximitor voltage follows its approved circuit.	Check barriers, wiring and drawing.
Static output	Signal follows the controlled target gap.	Recheck target calibration and complete pairing.
Dynamic output	Monitor response agrees with machine baseline.	Review mounting and channel configuration.
Mixed components	Any non-XL component is evaluated to non-XL limits.	Recalculate acceptance basis before release.

Manufacturer source record

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN. This guide summarizes the manufacturer's system, electrical, connector and ordering facts; consult the actual approved installation drawing for the installed area.

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