Bently Nevada 330104-00-14-05-02-00

01 Check the 140 mm case and bracket relationship

1. Record the probe position, target material, sensing direction and monitor channel before removal. Compare the 140 mm case and 0 mm unthreaded portion with the actual bracket and working space. Preserve the original operating gap and the accepted channel scaling so a mechanical replacement does not silently alter the measurement baseline.

2. If the bracket requires a different threaded engagement or target location, resolve the mechanical fit before forcing the probe into position.

Acceptance observation	The ordered geometry can reach and secure the intended measurement position.
Evidence to retain	Connection map and approved baseline
Release boundary	Use the applicable 3300 XL 8 mm system instructions and the approved application acceptance criteria.

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02 Identify the 0.5 m lead and matched conditioner

1. Trace the 0.5 m integral lead to its conditioner and identify the complete calibrated arrangement. This probe is used with the selected Proximitor electrical length through the compatible extension cable. Keep the machine protection in its approved maintenance state while the channel is interrupted, and label the coaxial connections before disconnecting them.

2. A physically mating cable is not proof of a matched system; never cut or splice the calibrated lead to make routing easier.

Acceptance observation	The restored assembly has the intended electrical length and channel identity.
Evidence to retain	Isolation and supply assessment
Release boundary	Use the applicable 3300 XL 8 mm system instructions and the approved application acceptance criteria.

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03 Route armor and secure the coaxial connection

1. Inspect the probe tip, armored lead and connector for damage or contamination before installation. Route the armor with support that does not pull on the probe or coaxial connection. Secure the intended mounting position and protect the connector using the applicable installation method, then verify the gap again after locking the mechanical arrangement.

2. A changed gap after tightening or strain on the lead requires mechanical correction before electrical calibration is assessed.

Acceptance observation	The probe remains mechanically stable and the connector is clean and protected.
Evidence to retain	Restored interface and configuration
Release boundary	Use the applicable 3300 XL 8 mm system instructions and the approved application acceptance criteria.

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04 Verify gap response against the actual target

1. Use the matched chain and a suitable target to observe output at controlled gap positions within the intended operating region. Compare direction and sensitivity with the system requirements, allowing for target material and the receiving instrument. Keep any dynamic interpretation separate from a static electrical verification.

2. An unexpected scale or offset requires examination of target, electrical length, supply and connections before machine vibration is blamed.

Acceptance observation	Output changes consistently with target movement across the useful working region.
Evidence to retain	Measured response and diagnostic state
Release boundary	Use the applicable 3300 XL 8 mm system instructions and the approved application acceptance criteria.

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05 Prove monitor scaling and protection response

1. Restore the channel to the intended monitor and confirm scaling, normal gap indication and the configured protection response. Perform alarm or reference-pulse checks only under the approved controlled test method. Remove temporary stimuli and reconcile bypasses before returning the measurement to service, retaining the final probe and conditioner identities.

2. A correct probe output without a verified receiving channel leaves addressing, scaling or protection logic unresolved.

Technical basis: Bently Nevada 3300 XL 8 mm Proximity Transducer System, 141194 Rev. AN.

Related product navigation

- Bently Nevada 330130-080-01-CN
- Bently Nevada 330130-040-00-00
- Bently Nevada 330130-075-00-00

Related products for separate application assessment; verify the platform and interface. No interchangeability is implied.