Bently Nevada 330103-00-11-10-02-05

01 110 mm case and matched XL 8 mm chain

1 Record the probe and connected components

Record the full 330103-00-11-10-02-05 marking, probe position, target material and original gap. Record the 110 mm case and M10 x 1 mount. Retain the monitor scale and the identities of the extension cable and Proximitor before removing the probe.

2 Separate mechanical length from electrical selection

Keep the 110 mm case identity distinct from the 1.0 m probe lead. Confirm the extension and Proximitor selections independently so the mounting dimension is not mistaken for a transducer-system length.

Record	Complete marking and installed position
Comparison	Field labels agree with application assignments
Tip diameter	8 mm
Mounting thread	M10 x 1

02 M10 mounting and unarmored lead protection

1 Inspect the threaded case and machine entry

Isolate the measurement channel and protect the machine against unintended operation. Inspect the M10 x 1 mount and 110 mm case; 0 mm unthreaded arrangement. Protect the unarmored lead at machine edges. Keep the sensing face and connector free of damage while preparing the replacement.

2 Prevent edge contact along the probe lead

Check the lead path after inserting the 110 mm case. Preserve clearance at machine edges and support points without transferring load to the sensing face or the connector during final positioning.

Supply evidence	Measured at the device connection
Work condition	Power isolated while wiring is handled
Case length	110 mm
Unthreaded section	0 mm

03 ClickLoc connection and probe resistance

1 Restore the full 1.0 m lead

Restore the 1.0 m probe lead without shortening or splicing it. Preserve the unarmored standard cable construction and protect the ClickLoc joint from strain and contamination. Use 7.59 ohm ±0.50 ohm as the nominal probe resistance check. Label the signal chain so the cable cannot be confused with an adjacent transducer.

2 Use resistance as a separate continuity check

Compare the disconnected probe with 7.59 ohm ±0.50 ohm under the applicable nominal conditions. A satisfactory resistance result does not replace verification of the matched extension, Proximitor and dynamic signal response.

Wiring record	Connection-by-connection comparison
Physical inspection	Shield, connector and strain relief checked
Probe length	1.0 m
Probe resistance	7.59 ohm ±0.50 ohm

04 Gap setting on the calibrated target

1 Establish the 1.27 mm reference gap

Connect the complete matched system before setting the gap. Use 1.27 mm (approximately -9 V for radial vibration) as the specified reference, subject to the machine position and target calibration. Retain the AISI 4140 calibration boundary. Tighten and secure the mounting without changing the final gap.

2 Retain the AISI 4140 target-calibration boundary

Record the actual target material with the gap result. The approximately -9 V radial-vibration reference and nominal scale depend on the matched system and specified calibration conditions, not the probe marking alone.

Configuration	Approved settings restored
Diagnostic condition	Normal recognition before functional testing
System linear range	2 mm
System scale factor	7.87 V/mm

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05 Secured-mount displacement verification

1 Compare known movement with channel output

Apply a controlled target displacement and compare the output with the expected 7.87 V/mm scale over the intended operating segment. Check output after the mount is fully locked. Check the configured monitor response and alarms, then retain the final gap and test readings.

2 Confirm the 7.87 V/mm slope after locking

Record target displacement and the corresponding voltage change with the mounting fully secured. Repeat the observation after final cable support so a temporary correct reading does not hide installation movement.

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

Related product navigation

- Bently Nevada 990-10-70-03-00
- Bently Nevada 990-04-70-01-01

These are related references, not confirmed substitutes or an automatically approved assembly.