Bently Nevada 21000-16-10-35-098-03-02

01 Probe-housing reach and target position

1 Record standoff and penetration separately

Record the casing entry, sleeve direction and target position. Check the complete 21000-16-10-35-098-03-02 selection: XL 8 mm probe, 1.0 m lead, 3.5-inch standoff and 9.8-inch penetration. Confirm the internal sleeve route before disturbing the installation.

2 Identify the electrical probe independently of the sleeve

Retain the XL 8 mm probe and its 1.0 m lead identity alongside the housing selection. Mechanical penetration and standoff describe the mounting arrangement; they do not define the required transducer-system electrical length.

Record	Complete marking and installed position
Comparison	Field labels agree with application assignments
Probe selection	3300 XL 8 mm
Probe lead	1.0 m

02 Sleeve support and machine clearance

1 Inspect the additional support near the probe

Place the machine and its protection channel in the maintenance state. The 13.3-inch combined reach exceeds the support threshold, so inspect the additional sleeve support near the probe. Check that it does not obstruct the moving target or prevent gap adjustment.

2 Check the supported 13.3-inch combined reach

Confirm the support engages the sleeve without obstructing adjustment or the target. The 3.5-inch standoff and 9.8-inch penetration together exceed the support threshold; checking either dimension alone would miss this condition.

Supply evidence	Measured at the device connection
Work condition	Power isolated while wiring is handled
Standoff	3.5 in
Penetration	9.8 in

03 NPT entry and cable-seal fittings

1 Restore the 03 fitting set

Confirm the 3/4-14 NPT mount and restore the 03 fitting set with plug, reducer and cable seal grip. Route the probe lead without pulling on its connector. Match the extension cable and Proximitor independently of the mechanical sleeve dimensions.

2 Keep cable restraint away from the probe connector

Inspect the plug, reducer and cable seal grip as a complete fitting set. Support the cable at the intended restraint point so tightening the seal does not transfer pull to the probe connection.

Wiring record	Connection-by-connection comparison
Physical inspection	Shield, connector and strain relief checked
Mounting thread	3/4-14 NPT
Fitting set	3/4-14 NPT plug, reducer to 1/2 NPT and cable seal grip

04 Probe gap and sleeve locking

1 Set the gap with the complete transducer chain

Position the sleeve within the available adjustment range and establish the probe gap with the complete electrical chain connected. Check casing clearance, support engagement and lead routing again after locking the mechanical adjustment.

2 Recheck the target clearance after securing the sleeve

Compare the channel output before and after locking the adjustment. Any change caused by sleeve movement or cable handling must be resolved before the original gap setting can be treated as restored.

Configuration	Approved settings restored
Diagnostic condition	Normal recognition before functional testing
Housing material	Aluminum
Sleeve material	304 stainless steel

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05 Housing stability and channel response

1 Test controlled target movement

Measure the channel response through a controlled target movement and verify stable output after the housing is secured. Inspect for sleeve movement, cable strain or connector disturbance. Retain the final gap and support arrangement with the machine maintenance record.

2 Document the final support and gap together

Record the final channel reading with the sleeve secured and the additional support engaged. A correct reading obtained while the housing is loose does not establish the final installed condition.

Technical basis: Bently Nevada 21000 and 24701 Proximity Probe Housing Assemblies, 141600 Rev. AC.

Related product navigation

- Bently Nevada 330103-00-04-10-02-00
- Bently Nevada 330103-00-06-10-02-00

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