Bently Nevada 31000-28-10-00-165-02-02

01 Establish the bearing reference

01

Bearing and shaft reference

Retain the original configuration before disturbing hardware.

Establish the bearing reference — field actions

Record the probe position, radial measurement direction, existing gap and receiving monitor assignment. Check that the casing provides a rigid bearing reference. Establish a controlled maintenance state before loosening any process-facing component.

Configuration identified

The original measurement reference and isolation boundary are retained.

Mounting reference and load path

Mounting reference	Record bearing/casing attachment and the original sensing direction.
Load path	Check whether opening the cover or handling conduit moves the sleeve.

Configuration record	Hardware identities and original settings retained
Following activity	Brace the extended sleeve

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02 Brace the extended sleeve

02

Supported probe sleeve

Protect the physical and electrical installation boundary.

Brace the extended sleeve — field actions

Confirm the 16.5 in penetration and available adjustment. Add the required near-probe support, then check clearance throughout adjustment. Do not let support or conduit forces bend the sleeve toward the rotating target.

Mounting / circuit accepted

The extended sleeve is supported without shifting the sensing point.

Sleeve restraint and target clearance

Sleeve restraint	Inspect support location and confirm that adjustment remains possible.
Target clearance	Record clearance around the sensing position before locking the sleeve.

Installation record	Inspected interfaces and resolved defects retained
Following activity	Route and seal the entries

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03 Route and seal the entries

03

Protected cable junction

Resolve connection and configuration differences before energization.

Route and seal the entries — field actions

Install two conduit fittings and one plug using matching interfaces. Support conduit independently, protect the coaxial junction and leave cover access. Check O-ring condition and maintain a separate plan for any process leakage.

Connections reconciled

All openings and the supported cable route match the selected assembly.

Entry sealing and cable access

Entry sealing	Identify each installed fitting, plug and sealing element.
Cable access	Demonstrate cover and junction access without pulling the probe cable.

Connection record	Final wiring and configuration assignments retained
Following activity	Verify the locked sensing gap

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04 Verify the locked sensing gap

04

Conditioner and monitor

Evaluate actual response under controlled conditions.

Verify the locked sensing gap — field actions

Set the working gap with the matched transducer system. Secure the retaining nut to the specified recommendation and recheck the electrical reading. Investigate any change caused by tightening or closing the cover.

Functional response accepted

The final secured position retains stable gap and usable measurement travel.

Locked position and channel evidence

Locked position	Compare the gap before and after retaining-nut tightening.
Channel evidence	Retain a controlled-response trace and its receiving-channel identity.
Response record	Test conditions, observed response and deviations retained
Following activity	Accept the monitored response

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05 Accept the monitored response

05

System acceptance

Return control only after reviewing the complete test outcome.

Accept the monitored response — field actions

Compare the restored channel with its retained configuration. Check response to controlled target movement and validate monitor indication and required alarms. Record the final assembly and electrical-chain identities.

Return-to-service evidence

Mechanical support, transducer response and monitoring functions are accepted together.

Separate related-equipment review

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Bently Nevada 330104-19-25-10-11-05

Bently Nevada 330105-02-12-10-02-05

Assess each related item independently; these references do not establish replacement compatibility.