# Bently Nevada 330104-02-09-10-01-00

## 01 Locate the sensing point

01

### Conductive target

Retain the original configuration before disturbing hardware.

## Locate the sensing point — field actions

Record target position, gap and monitor assignment before removal. Compare the 90 mm case, 20 mm unthreaded section with bracket engagement and access at the M10 x 1 interface. Inspect the surrounding conductive material and establish the intended measurement travel before disturbing the reference.

### Configuration identified

**The original sensing position and receiving-channel assignment are identified.**

### Does armor on this installation remove the need for cable support

No. Armor does not eliminate connector loading, bend constraints or routing support.

| | |
|---|---|
| Configuration record | Hardware identities and original settings retained |
| Following activity | Fit the protected cable routing |

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02 Fit the protected cable routing

02

## Eddy-current probe

Protect the physical and electrical installation boundary.

## Fit the protected cable routing — field actions

Control the affected protection channel under the site procedure. Fit the probe with clear sensing space and adequate adjustment. Do not pull the 1.0 m lead. Check that securing the mount does not shift the gap or introduce contact with the shaft.

### Mounting / circuit accepted

**The mount is rigid, the tip is clear and the lead is unstressed.**

### How does the unthreaded section affect mounting this installation

The bracket must engage actual thread while positioning the tip correctly. Do not treat the whole case as usable thread.

| | |
|---|---|
| Installation record | Inspected interfaces and resolved defects retained |
| Following activity | Complete the coaxial chain |

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03 Complete the coaxial chain

03

## Matched coaxial chain

Resolve connection and configuration differences before energization.

## Complete the coaxial chain — field actions

Confirm conditioner system length and select the matching extension. Inspect connector halves and engage ClickLoc finger-tight. Apply protection appropriate to the armored standard lead with connector protector; support the route so service access and machine vibration do not load the connection.

### Connections reconciled

**Family and electrical length match, with a protected, supported joint.**

### Can the protector on this installation compensate for a loose connector

No. Establish correct ClickLoc engagement before fitting protection.

| | |
|---|---|
| Connection record | Final wiring and configuration assignments retained |
| Following activity | Check gap-to-voltage conversion |

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04 Check gap-to-voltage conversion

04

## Conditioner to monitor

Evaluate actual response under controlled conditions.

## Check gap-to-voltage conversion — field actions

Use controlled known positions and compare conditioner output over the intended span. Retain target material and calibration conditions in the result. Investigate noise, slope or travel-limit differences before changing monitor settings. Apply the accuracy for the actual system length.

### Functional response accepted

**The working interval has no unexplained nonlinearity, saturation or unstable output.**

### Why keep the armored lead of this installation clear of moving parts

Rubbing can abrade the jacket or load the probe. Armor does not make repeated contact acceptable.

| | |
|---|---|
| Response record | Test conditions, observed response and deviations retained |
| Following activity | Release the monitored channel |

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05 Release the monitored channel

05

## Channel release

Return control only after reviewing the complete test outcome.

## Release the monitored channel — field actions

Restore monitor configuration and compare the operating gap with the retained reference. Exercise alarm and supervisory functions in the approved test state. Record probe, extension and conditioner identities with accepted results before removing maintenance inhibits.

### Return-to-service evidence

**The full measurement and protection path is accepted with recoverable configuration.**

### Separate related-equipment review

**Bently Nevada 330130-040-01-00**

**Bently Nevada 330130-040-01-05**

**Bently Nevada 330190-080-01-00**

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