Bently Nevada 330901-00-10-05-02-00

Field guide / 0.5 m standard-cable NSv probe

01 Record the installed configuration

Complete marking	330901-00-10-05-02-00
Mechanical position	1/4-28 UNF port, 0.0 in unthreaded reach, 1.0 in case envelope
Electrical chain	NSv probe, mating extension cable, NSv Proximitor Sensor and monitor channel
Cable routing	Photograph lead route, connector position, strain relief and separation from interference sources
Baseline	Save the stopped-machine gap or bias and operating channel response

02 Before removing the probe

Isolate the machine

Use the approved maintenance state before disturbing a protection channel.

Label the chain

Record the exact cable and sensor identities and the monitor channel.

Record the gap

Capture the accepted mechanical and electrical baseline.

Protect the connector

Cap clean, dry ClickLoc surfaces during disconnection.

03 Configuration checks

Probe lead	0.5 m total, standard coaxial cable
Connector	Miniature ClickLoc, option 02; no separate connector protector
Approval	Option 00; multiple approvals not selected
System rule	Use matched NSv components with the intended electrical length

The published range and scale factor refer to the complete calibrated NSv transducer system, not the isolated probe.

04 Controlled mechanical installation

Thread engagement	Check the 1/4-28 UNF port and mounting drawing; avoid excessive engagement or forcing the case.
Tip placement	Confirm the target and nearby side-view metal meet the approved NSv geometry.
Lead support	Route the 0.5 m lead without tight bends, unsupported loads or contact with hot moving parts.
Connector mating	Keep the miniature coaxial surfaces dry and clean before joining the matched extension cable.

05 Matched-system electrical checks

Companion sensor	Confirm the installed unit is the specified NSv Proximitor Sensor.
Total length	Compare probe lead plus extension cable with the system length required by the selected sensor.
Static gap	The matched system recommends a 1.0 mm gap under stated target conditions; use the approved channel procedure.
Output response	Compare measured bias, polarity and proportional movement with the accepted channel baseline.
Operating state	Check the monitor indication and protection logic after controlled restoration.

06 Limits that belong to the complete system

The NSv matched system lists a 1.5 mm linear range and 7.87 V/mm average scale factor. These figures depend on the correctly matched probe, extension cable, Proximitor Sensor and reference target; do not treat them as standalone probe calibration.

Small target

Inspect target diameter or flat width before relying on the reduced side-view geometry.

Temperature exposure

Assess probe and sensor temperatures at their different installed locations.

07 As-found and as-left record

Installed asset	Machine, bearing, channel and drawing reference
Exact probe identity	330901-00-10-05-02-00 and any visible revision or tag
Mechanical datum	Port, target, insertion position, thread engagement and locknut setting
Companion parts	Extension cable and NSv Proximitor identities; total electrical length
Before-work reading	Bias/gap voltage and approved channel indication
After-work reading	As-left bias, proportional response and monitor indication
Release approval	Technician, date, test conditions and accepted baseline

08 Release checklist

Identity	Complete marking agrees with the selected order code.
Interfaces	Thread, lead, connector and matched chain agree with the approved design.
Environment	Target clearance, cable route and component temperatures remain within the installation limits.
Response	Channel readings and alarms match the accepted before/after test.

09 Discuss the exact probe

Send the complete 330901-00-10-05-02-00 marking and installed NSv chain details for a product-specific quotation.

sales13@apterpower.com | +86 18030235313

Technical basis: Bently Nevada 3300 XL NSv Proximity Transducer System, 147385 Rev. R. Installation decisions must follow the approved machine and monitoring-system drawings.