

Scope, Identity and Isolation

330910-10-22-10-01-CN / 3300 XL NSv metric probe

CONTROLLED SERVICE BOUNDARY

Protect the machine and connected monitor before disturbing the installed probe. Record the complete article and confirm its matched NSv cable and Proximitor system; a probe-only swap is not a system conversion.

Metric case

M10 x 1 thread, with armor

Overall case / 22

220 mm

Connector and cable / 01

Protected ClickLoc, standard lead

Unthreaded length / 10

100 mm

Integral lead / 10

1.0 m (39 in)

Cable construction

75 ohm coaxial, FEP insulated

PRE-WORK RECORD

Retain the previous channel gap, monitor configuration, target material, connector route and accepted trend. Use site isolation and personnel-protection procedures for the connected machine.

Pre-installation Readiness

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01 MARKING

Record the complete 330910-10-22-10-01-CN marking and installed 3300 XL NSv monitoring channel.

02 METRIC RECEIVING THREAD

Confirm the M10 x 1 thread, 220 mm case clearance and 100 mm unthreaded section.

03 CABLE AND CONNECTOR

Identify the 1.0 m standard lead, protected ClickLoc connector and matched 330930 NSv extension cable.

04 MATCHED LENGTH

Confirm the probe plus extension cable equals the selected 5 m or 7 m NSv Proximator system length.

05 MACHINE STATE

Place the machine and monitoring channel in the approved maintenance state before disconnecting.

06 TARGET AND SEAL

Inspect the target, probe tip, thread, armor and connector protection for damage or contamination.

Hold point: reject mismatched non-NSv parts, unverified system length or damaged cable sealing.

Installation Sequence

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05 Place the machine and monitoring channel in the approved maintenance state before disconnecting.

06 Inspect the target, probe tip, thread, armor and connector protection for damage or contamination.

07 Install the M10 case by the approved method; 11.3 N m is the recommended case torque.

08 Seat the protected ClickLoc joint and route the lead without tight bends or strain.

09 Set and check the matched-system target gap near the specified 1.0 mm reference.

10 Check monitor configuration, diagnostics and controlled vibration or position response before release.

Do not use 33.9 N m as an installation target: it is the maximum rated M10 case torque. Verify the 15 mm engagement limit and site method.

Commissioning and Acceptance

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IDENTITY M10 x 1, 220 mm case, 1.0 m standard lead and protected ClickLoc match.

MECHANICAL The case is secure and thread engagement does not exceed 15 mm.

SYSTEM LENGTH Probe plus extension cable equals the configured 5 m or 7 m NSv system.

GAP Target gap and calibration conditions agree with the channel setup.

SIGNAL Controlled position or vibration response is plausible.

RECORD Accepted settings, diagnostics and final readings are retained.

Release only after the matched transducer system and monitoring response pass the controlled test.

Diagnostics and Handover

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Unexpected output

Recheck the NSv system length, target gap, extension cable and Proximitor channel before changing monitor settings.

Connector or seal concern

Inspect the protected ClickLoc joint and standard cable; restore the approved environmental seal.

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MANUFACTURER SOURCE RECORD

Baker Hughes / Bently Nevada, 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R, pp. 1-6, 11-14.

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