TECHNICAL & APPROVAL REFERENCE

330905-00-21-50-02-00

Bently Nevada 3300 XL NSv Proximity Probe

This model-specific reference summarizes the exact ordering-code configuration and the system-level values stated in Baker Hughes document 147385 Rev. R. Verify the supplied nameplate and the latest manufacturer documentation before ordering or replacement.

Manufacturer	Bently Nevada / Baker Hughes
Probe family	330905 - 3300 XL NSv
Mounting	M10 x 1 - Unarmored
Case length	210 mm; 0 mm unthreaded
Total probe length	5.0 m (197 in)
Connection	Miniature ClickLoc; standard cable; no connector protector
Approval option	00 - Approval not required

Ordering and identity checks

- Match the complete ordering code character for character.
- Compare the delivered nameplate with the required mounting, case, cable and connector configuration.
- Confirm cable routing, connector clearance and the installed transducer-system length.
- For regulated installations, verify the nameplate approval markings and certificate scope.

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3300 XL NSv system reference data

The values below apply to a correctly configured complete 3300 XL NSv transducer system under the manufacturer test and installation conditions. They are not standalone probe-only performance claims.

Nominal scale factor	7.87 V/mm (200 mV/mil)
Linear range	1.5 mm (60 mil)
Recommended gap	1.0 mm (40 mil)
Typical frequency response	0 to 10 kHz (+0/-3 dB)
Probe tip material	Polyphenylene sulfide (PPS)
Probe case material	AISI 304 stainless steel

Matched system requirements

The 5.0 m probe length matches the nominal 5 m 3300 XL NSv system length. Confirm the installed Proximitor Sensor system length and the complete ordering code before replacement.

Compatibility must be checked as a complete measurement chain: probe, appropriate cabling, 3300 XL NSv Proximitor Sensor and connected monitoring hardware.

Typical system applications

- Radial vibration and radial position
- Axial thrust position
- Tachometer and zero-speed measurements
- Keyphasor phase-reference signals
- Compact compressor and fluid-film bearing installations

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Approval and procurement checklist

Approval option 00

The ordering code specifies approval not required. Confirm the actual product nameplate and the approval requirements of the installation site before ordering.

Before purchase or replacement

- Request clear current photos of the complete nameplate and ordering code.
- Confirm mounting thread, armor, case length, cable length and connector option.
- Verify target material, probe gap and mechanical clearances against the current manufacturer manual.
- Confirm the matched system length, Proximitor Sensor and monitoring-system compatibility.
- For approval-controlled installations, obtain and review the applicable certificate before installation.

Official manufacturer references

Baker Hughes / Bently Nevada, 3300 XL NSv Proximity Transducer System Datasheet, document 147385 Rev. R.

Baker Hughes / Bently Nevada, Approvals Quick Reference Guide - Country Specific Ordering Options, document 108M1756 Rev. AV.

Source URLs:

https://dam.bakerhughes.com/m/7a79b853504f738/original/3300-XL-NSv-Proximity-Transducer-System-Datasheet-147385-pdf.pdf

https://dam.bakerhughes.com/asset/39aafea9-7f77-4a1e-aae3-04783ae5aca9/Approvals-Quick-Reference-Guide-Country-Specific-Ordering-Options-108M1756-pdf.pdf

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