

330910-00-24-10-01-CN

3300 XL NSv Proximity Probe

Product identification

Bently Nevada 330910-00-24-10-01-CN is a 3300 XL NSv proximity probe with M10 x 1 threads, with armor, 0 mm unthreaded length, 240 mm case length and a 1.0 m (39 in) lead.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330910-00-24-10-01-CN
Product Family	3300 XL NSv Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	M10 x 1
Aarmor	With armor
Unthreaded length	0 mm
Overall case length	240 mm
Total probe length	1.0 m (39 in)
Connector and cable	01 = ClickLoc with connector protector, standard cable
Agency approval	CN = retained; not defined in Datasheet 147385 Rev. R
System linear range	1.5 mm (60 mils)
Nominal scale factor	7.87 V/mm (200 mV/mil)
Reference target	AISI 4140 steel, 31 mm minimum diameter
System power	-17.5 to -26 VDC without barriers; 12 mA maximum
Output resistance	50 ohms
Extension-cable capacitance	69.9 pF/m typical
Maximum field-wire length	305 m (1000 ft)
Probe-to-cable pull strength	220 N (50 lb)
Connector family	Gold-plated brass ClickLoc
Relative humidity	100% condensing, non-submersible with protected connectors
Proximitor operating temperature	-52 to +100 C
Recommended field wiring	Three-conductor shielded triad

Product overview

330910-00-24-10-01-CN is a M10 x 1 with armor probe in the Bently Nevada 3300 XL NSv proximity transducer family. The 0 mm unthreaded section and 240 mm overall case define its fit and sensing reach.

The probe carries a 1.0 m (39 in) lead with 01 = clickloc with connector protector, standard cable. Its narrow-side-view eddy-current geometry is intended for small targets and close-clearance measurements where a standard 5 mm or 8 mm system may not fit.

When paired with the correct NSv extension cable and Proximitor Sensor, the configuration supports vibration, position and timing measurements on rotating machinery. The full ordering code must be retained because thread, armor, length, cable and approval fields are not interchangeable.

Applications

- Measures radial shaft vibration in compact compressor or rotating-machine installations.
- Tracks axial shaft position where restricted target size favors the narrow-side-view NSv system.
- Provides Keyphasor, tachometer or zero-speed input from an appropriate rotating target.

Mechanical Protection

- With armor construction must be matched to the installed cable route.
- Strain relief prevents vibration and bend load from reaching the probe-to-cable joint.
- A connector protector limits liquid entry but does not replace proper routing and support.

Installation & Integration

- Use the matching NSv extension cable and Proximitor Sensor for the selected electrical length.
- Set the initial gap with the machine safely stationary and record the resulting voltage.
- Configure the receiving monitor for the NSv scale factor and intended measurement type.

Environmental Ratings

- Use only approval markings present on the exact delivered ordering identity.
- Maintain enclosure and wiring practices required by the applicable hazardous-area drawing.
- Connector protection is required where condensation, oil or washdown can reach the junction.

High-risk technical note

330910-00-24-10-01-CN must be matched by full thread, case, cable and connector identity; do not infer agency approval from an undocumented CN suffix.

Request a quotation
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Exact model
330910-00-24-10-01-CN
3300 XL NSv Proximity Transducer System



Manufacturer source

<https://dam.bakerhughes.com/m/7a79b853504f738/original/3300-XL-NSv-Proximity-Transducer-System-Datasheet-147385-pdf.pdf>
Source technical meaning is unchanged. This web edition is organized for exact-model identification and quotation support.