

330905-00-25-05-02-CN

3300 XL NSv Proximity Probe

Product identification

Bently Nevada 330905-00-25-05-02-CN is a 3300 XL NSv proximity probe with M10 x 1 threads, without armor, 0 mm unthreaded length, 250 mm case length and a 0.5 m (20 in) lead.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330905-00-25-05-02-CN
Product Family	3300 XL NSv Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	M10 x 1
Armor	Without armor
Unthreaded length	0 mm
Overall case length	250 mm
Total probe length	0.5 m (20 in)
Connector and cable	02 = ClickLoc connector, 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
Proximitior operating temperature	-52 to +100 C
Recommended field wiring	Three-conductor shielded triad

Product overview

330905-00-25-05-02-CN is a M10 x 1 without armor probe in the Bentley Nevada 3300 XL NSv proximity transducer family. The 0 mm unthreaded section and 250 mm overall case define its fit and sensing reach.

The probe carries a 0.5 m (20 in) lead with 02 = clickloc connector, 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 Proximity 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.

Cable Construction

- The probe lead length is 0.5 m (20 in) and the selected termination is 02 = clickloc connector, standard cable.
- The probe is supplied without armor, which determines the mechanical protection of the lead.
- CableLoc construction provides the documented 220 N attachment strength at the probe tip.

Temperature & Humidity Range

- The NSv probe supports the temperature limits defined in Datasheet 147385 for its cable construction.
- The matching sensor storage range is -52 to +105 C.
- At 100% condensing humidity, protect ClickLoc junctions and keep the assembly non-submerged.

Selection Notes

- Select the case length from actual port depth and required static gap, not from cable length.
- Choose connector protection according to expected oil, moisture and maintenance exposure.
- Confirm whether the project requires a documented 05 approval option before purchase.

High-risk technical note

330905-00-25-05-02-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
info@apterpower.com
+86 18106909650

Exact model
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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.