

330903-00-07-10-01-00

3300 XL NSv Proximity Probe

Product identification

Bently Nevada 330903-00-07-10-01-00 is a 3300 XL NSv proximity probe with M8 x 1 threads, without armor, 0 mm unthreaded length, 70 mm case length and a 1.0 m (39 in) lead.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330903-00-07-10-01-00
Product Family	3300 XL NSv Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm
Overall case length	70 mm
Total probe length	1.0 m (39 in)
Connector and cable	01 = ClickLoc with connector protector, standard cable
Agency approval	00 = Not required
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

330903-00-07-10-01-00 is a M8 x 1 without armor probe in the Bently Nevada 3300 XL NSv proximity transducer family. The 0 mm unthreaded section and 70 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.

Diagnostics

- Check static gap voltage before treating a channel fault as probe failure.
- Inspect the ClickLoc junction for contamination when output becomes intermittent.
- Compare cable resistance with the documented value for the selected probe length.

Monitoring

- The matched NSv system provides a nominal 7.87 V/mm scale factor.
- The documented linear range is 1.5 mm when tested with the stated target and supply.
- Long field wiring can reduce high-frequency response and must remain within the published limit.

Connectivity

- Gold-plated brass ClickLoc hardware locks the coaxial connection in place.
- The cable option must match the selected NSv extension and Proximitor system length.
- Three-conductor shielded triad is recommended between the Proximitor Sensor and monitor.

High-risk technical note

330903-00-07-10-01-00 requires the documented NSv system length and clean ClickLoc engagement; isolate the machine before gap or reverse-mount work.

Request a quotation
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Exact model
330903-00-07-10-01-00
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.