

330906-02-12-10-02-05

3300 XL NSv Proximity Probe

Product identification

Bently Nevada 330906-02-12-10-02-05 is a 3300 XL NSv proximity probe with 3/8-24 UNF reverse mount threads, reverse-mount standard case, 0.2 in fixed unthreaded length, 1.2 in fixed case length and a 1.0 m (39 in) lead.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330906-02-12-10-02-05
Product Family	3300 XL NSv Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	3/8-24 UNF reverse mount
Armor	Reverse-mount standard case
Unthreaded length	0.2 in fixed
Overall case length	1.2 in fixed
Total probe length	1.0 m (39 in)
Connector and cable	02 = ClickLoc connector, standard cable
Agency approval	05 = Multiple approvals
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

330906-02-12-10-02-05 is a 3/8-24 UNF reverse mount reverse-mount standard case probe in the Bently Nevada 3300 XL NSv proximity transducer family. The 0.2 in fixed unthreaded section and 1.2 in fixed overall case define its fit and sensing reach.

The probe carries a 1.0 m (39 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 Proximito 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.

Probe Geometry

- The probe uses 3/8-24 UNF reverse mount mounting and the exact case geometry encoded by 330906-02-12-10-02-05.
- The 0.2 in fixed smooth section must remain shorter than the 1.2 in fixed case length.
- Reverse-mount construction changes how the probe is retained and removed from the machine housing.

Signal Performance

- NSv system output is nominally 200 mV/mil over a 60 mil linear span.
- Standard accuracy assumes an AISI 4140 steel target at the documented gap.
- System performance is specified with the compatible NSv Proximito Sensor and extension cable.

Installation Safety

- Isolate the machine and confirm casing conditions before removing a reverse-mount probe.
- Keep the sensing tip clear of the shaft throughout insertion and gap adjustment.
- Apply only hazardous-area approvals shown on every installed transducer component.

High-risk technical note

330906-02-12-10-02-05 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
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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.