Bently Nevada 330904-05-14-05-02-00

Complete Product Information

Bently Nevada 330904-05-14-05-02-00 is a M8 x 1 armored NSv probe for restricted mounting and small-target measurement in a matched NSv chain.

01 Product identity and verified data

Complete model	330904-05-14-05-02-00
Product type	3300 XL NSv proximity probe
Manufacturer	Bently Nevada
Technical source	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R
Probe family	3300 XL NSv
Mounting thread	M8 x 1
Cable armor	Stainless-steel armor
Unthreaded length	50 mm
Overall case length	140 mm
Total probe length	0.5 m
Connector	Miniature coaxial ClickLoc, standard cable
Approval selection	No agency approval

Engineering purpose

Bently Nevada 330904-05-14-05-02-00 is a M8 x 1 armored NSv probe for restricted mounting and small-target measurement in a matched NSv chain.

Selected order-code snapshot

Selected mechanics	M8 x 1; 50 mm unthreaded reach; 140 mm case.
Lead interface	0.5 m lead; Miniature coaxial ClickLoc, standard cable.
NSv role	Reduced side-view and small-target measurement in a matched 5 m or 7 m chain.

02 Technical capability and engineering overview

Nominal probe resistance	4.0 +/- 0.5 ohm
Cable impedance	75 ohm
Probe tip material	PPS
Case material	AISI 304 stainless steel

Connector material	Gold-plated brass
Probe tensile strength	220 N maximum
Matched-system lengths	5 m or 7 m
Matched-system range	1.5 mm
Matched-system scale	7.87 V/mm (200 mV/mil)
Recommended gap	1.0 mm
Frequency response	0 to 10 kHz, +0/-3 dB typical

Evidence boundary

Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.

Engineering overview

The M8 x 1 body, 50 mm unthreaded reach and 140 mm case position the NSv sensing tip in restricted counterbore or side-view installations. Compare them with the machine drawing and target travel before removal.

The 0.5 m, 75-ohm probe lead terminates in miniature coaxial clickloc, standard cable. Probe lead plus extension cable must equal the 5 m or 7 m Proximitor selection, so cable length is part of the calibrated configuration.

NSv range and scale are characterized for the complete matched system. Acceptance also checks target size, nearby conductive surfaces, probe spacing, restored gap or bias and the monitor response for the machine.

Application map

Radial shaft vibration

Use the complete matched transducer chain at a documented bearing location to observe shaft motion relative to the probe mounting.

Axial position

Aim the probe at an approved conductive thrust target and keep the expected travel inside the characterized linear region.

Phase reference

Use only where the installed target feature and monitoring channel are approved for once-per-turn phase reference.

Installed-channel maintenance

Preserve the recorded probe, extension cable, Proximitor, target material, mounting geometry and monitor assignment.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 330904-05-14-05-02-00 and the documented 3300 XL NSv proximity transducer system context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.

Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

The offered item is a M8 x 1 armored NSv probe; target geometry, probe spacing, extension cable, Proximitor and monitor assignment govern application.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact-model status	A separate manufacturing or support phase is not assigned to the complete 330904-05-14-05-02-00 order identity.
Installed-family context	Service planning must preserve the documented 3300 XL NSv proximity transducer system relationship for this installed channel.
Replacement boundary	Confirm the complete marking and every installed companion component before approving a replacement.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 330904-05-14-05-02-00, M8 x 1 armored NSv probe.
Identity check	Confirm 50 mm unthreaded reach, 140 mm case, 0.5 m lead and the complete connector and approval suffix.
Included items	Probe only; NSv extension cable, Proximitor, monitor and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R
Applicability boundary	Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.
Product family	3300 XL NSv proximity transducer system

Additional related product references

Related product	Bently Nevada 330102-00-28-10-02-05
Related product	Bently Nevada 330104-00-16-10-02-00
Related product	Bently Nevada 330500-00-01
Related product	Bently Nevada 330980-70-CN

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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