

Configuration at a Glance

Bently Nevada 31000-32-05-15-030-02-02

Bently Nevada 31000-32-05-15-030-02-02 is an externally mounted proximity-probe housing assembly ordered with a 3300 XL NSv probe, connector protector and multiple-approval probe option. Its PPS housing gives external access for controlled probe-gap adjustment and service on a matched monitoring system.

Ordered Variant

PROBE	POSITION	CONDUIT	MOUNTING
A32 NSv; protected connector	C15 standoff; D030 penetration	E02: two fittings; one plug	F02: 3/4-14 NPT

Published Housing Construction

HOUSING	METAL PARTS	ENVIRONMENT
Glass-reinforced conductive PPS	AISI 304 sleeve/chain; AISI 303 outer parts	Type 4X and IP66

Scope

This housing protects and positions an ordered NSv probe but is neither explosion-proof nor a pressure enclosure. Full signal performance and area approval depend on the matched installed system.

Applications and Controlled Work

Application Roles

APPLICATION	INSTALLATION CONTEXT
Radial vibration	Externally mounted NSv probe position for a matched radial-vibration monitoring chain.
Keyphasor reference	Radially mounted phase-reference probe when the monitor and target are approved for the arrangement.
Service access	External gap adjustment or probe replacement without dismantling the machine case.
Protected conduit transition	Housing and ordered fittings route the probe cable to the installed conduit system.

Eight Installation Precautions

IDENTITY AND MECHANICS	CONNECTION AND ACCEPTANCE
1. Confirm the full 31000-32-05-15-030-02-02 mark and A32 NSv probe option before replacement.	5. Use the two ordered fittings and one plug only with the matching conduit arrangement.
2. Check the machine-case mounting and 3/4-14 NPT outer sleeve against the approved installation.	6. Treat the PPS housing as environmental protection, not an explosion-proof enclosure.
3. Preserve the specified standoff and penetration selections; do not substitute another assembly by appearance.	7. Where the installation is hazardous, verify the installed probe approvals, barriers and applicable drawings.
4. Verify the 0.5 m NSv probe cable route and the connector protector before closing the housing.	8. Set the static gap and accept the monitored signal using the matched NSv transducer-system procedure.

Evidence and Release Summary

Model-Specific FAQ

QUESTION	ANSWER
What fittings are furnished by the E02 selection?	E02 supplies two 3/4-14 NPT fittings and one plug, unlike E01's one-fitting and two-plug arrangement.
What must be confirmed before hazardous-area service?	The housing is not explosion-proof. Confirm the installed probe approval, approved system, appropriate intrinsic-safety barriers and applicable installation drawing.
Can the probe gap be adjusted without opening the machine case?	Yes. The 31000 housing gives external access to the probe and extension cable for controlled gap adjustment or probe replacement, subject to the site's isolation procedure.

Manufacturer source record

Bently Nevada 31000 and 32000 Proximity Probe Housing Assemblies Datasheet 141610 Rev. R. Exact ordering-code, housing-role, material and environmental-protection evidence is on pages 1-6. This document does not transfer sibling-model performance to this configured assembly.

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