Bently Nevada 31000-27-05-00-035-03-02

Complete Product Information

The corrosion-resistant housing provides external probe access and environmental protection for a machine-case-mounted radial vibration or Keyphasor measurement.

WHAT THIS PRODUCT DOES

Bently Nevada 31000-27-05-00-035-03-02 is a 31000 proximity-probe housing assembly configured with a 3300 XL NSv probe and a 3.5-inch penetration selection.

Product characteristic 1

Provides a protected external mount for an NSv proximity probe.

Product characteristic 2

Allows probe-gap adjustment or replacement without machine disassembly.

Product characteristic 3

Uses corrosion-resistant housing and mounting components.

Product characteristic 4

Supports radial vibration or Keyphasor measurements through the machine case.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Housing family	31000 proximity probe housing
Installed probe	3300 XL NSv proximity probe
Probe cable length	0.5 m
Standoff adapter	Not included

IMPORTANT NOTICE

Record the installed 31000-27-05-00-035-03-02 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Housing family	31000 proximity probe housing
Installed probe	3300 XL NSv proximity probe
Probe cable length	0.5 m
Standoff adapter	Not included
Probe penetration	3.5 in
Fitting package	Two plugs, 3/4-14 NPT fitting, reducer and cable seal grip
Machine mounting thread	3/4-14 NPT
Environmental rating	Type 4X and IP66 mechanical protection

FEATURE INTERPRETATION

Product identity

Provides a protected external mount for an NSv proximity probe.

System role

Allows probe-gap adjustment or replacement without machine disassembly.

Service context

Uses corrosion-resistant housing and mounting components.

Return-to-service focus

Supports radial vibration or Keyphasor measurements through the machine case.

SIGNAL OR CONTROL PATH

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

Use 31000-27-05-00-035-03-02 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

What controls housing family on Bently Nevada 31000-27-05-00-035-03-02?	The documented housing family is 31000 proximity probe housing; confirm it against the installed record.
How is installed probe tested on Bently Nevada 31000-27-05-00-035-03-02?	The documented installed probe is 3300 XL NSv proximity probe; confirm it against the installed record.
Which record preserves probe cable length for Bently Nevada 31000-27-05-00-035-03-02?	The documented probe cable length is 0.5 m; confirm it against the installed record.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Radial shaft vibration Mounts a probe through the machine case.	**Keyphasor measurement** Provides accessible phase-reference probe mounting.
External adjustment Allows controlled probe-gap setting outside the casing.	**Environmental protection** Shields the probe connection from wet or dusty conditions.

APPLICATION VERIFICATION MAP

Radial shaft vibration	Confirm the documented system position and the required operating function.
Keyphasor measurement	Compare the restored connection or control path with the approved record.
External adjustment	Check the physical interface and the retained configuration before startup.
Environmental protection	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	**Connection record** Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	**Acceptance record** Observed status, response and release decision.

IMPORTANT NOTICE	Use the complete product identifier for every application review; a related product link does not establish interchangeability.

APPLICATION QUESTIONS

Which record preserves probe cable length for Bently Nevada 31000-27-05-00-035-03-02?	The documented probe cable length is 0.5 m; confirm it against the installed record.
Which standoff adapter applies to Bently Nevada 31000-27-05-00-035-03-02?	The documented standoff adapter is Not included; confirm it against the installed record.
How is probe penetration set on Bently Nevada 31000-27-05-00-035-03-02?	The documented probe penetration is 3.5 in; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 31000-27-05-00-035-03-02 marking and the documented 31000 proximity probe housing assembly position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed housing family, installed probe and probe cable length before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What controls housing family on Bently Nevada 31000-27-05-00-035-03-02?	The documented housing family is 31000 proximity probe housing; confirm it against the installed record.
How is installed probe tested on Bently Nevada 31000-27-05-00-035-03-02?	The documented installed probe is 3300 XL NSv proximity probe; confirm it against the installed record.
Which record preserves probe cable length for Bently Nevada 31000-27-05-00-035-03-02?	The documented probe cable length is 0.5 m; confirm it against the installed record.
Which standoff adapter applies to Bently Nevada 31000-27-05-00-035-03-02?	The documented standoff adapter is Not included; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 31000-27-05-00-035-03-02 identity and every mating interface before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, document reference and related models

ADDITIONAL TECHNICAL QUESTIONS

How is probe penetration set on Bently Nevada 31000-27-05-00-035-03-02?	The documented probe penetration is 3.5 in; confirm it against the installed record.
What fitting package belongs to Bently Nevada 31000-27-05-00-035-03-02?	The documented fitting package is Two plugs, 3/4-14 NPT fitting, reducer and cable seal grip; confirm it against the installed record.
Why verify machine mounting thread for Bently Nevada 31000-27-05-00-035-03-02?	The documented machine mounting thread is 3/4-14 NPT; confirm it against the installed record.
Where is environmental rating used by Bently Nevada 31000-27-05-00-035-03-02?	The documented environmental rating is Type 4X and IP66 mechanical protection; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	Bently Nevada 31000 and 32000 Proximity Probe Housing Assemblies Datasheet 141610
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

RELATED MODELS ON APTERPOWER

Bently Nevada 330730-080-00-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330910-00-11-10-02-05	Related product reference. Compare the required interface and system position.
Bently Nevada 9200-06-05-10-00	Related product reference. Confirm the execution independently for the intended task.

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