

Exact Ordering and Housing Role

Bently Nevada 31000-16-10-00-030-02-02

Bently Nevada 31000-16-10-00-030-02-02 is a 31000 external probe housing ordered with a standard 3300 XL 8 mm probe and a 1.0 m probe cable. Its selected fittings and 3/4-14 NPT mounting support accessible probe installation in a matched proximity-monitoring system.

Decoded Manufacturer Ordering

ORDERING FIELD	DOCUMENTED SELECTION
A16 probe	Standard 3300 XL 8 mm probe
B10 cable	1.0 m (39 in) probe cable
C00 standoff	No standoff adapter
D030 penetration	Manufacturer-coded adjustable probe penetration
E02 fittings	Two 3/4-14 NPT fittings and one plug
F02 mounting	3/4-14 NPT outer-sleeve mounting thread

Functional boundary

The 31000 housing positions and protects the ordered probe, but the complete measuring function belongs to the matched probe, cable, Proximitor sensor and monitoring channel.

System Matching Checks

CHECK	RELEASE QUESTION
Probe identity	Does the installed probe match ordering field A?
Cable route	Does field B match the retained cable path?
Geometry	Are fields C and D compatible with the approved gap?
Hardware	Do fields E and F match conduit and case mounting?

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Construction and Application

Published Housing Construction

AREA	MANUFACTURER-PUBLISHED FACT
Housing	Glass-reinforced PPS thermoplastic with conductive fibers.
Sleeve and retaining chain	AISI 304 stainless steel.
Outer sleeve and screws	AISI 303 stainless steel.
Environmental protection	Type 4X and IP66 for the assembled housing.
Retaining nut	Recommended torque 29.4 N.m (260 in.lb).

Model-Specific Use

ROLE	APPLICATION BOUNDARY
Radial vibration	External housing position for a matched shaft-vibration monitoring chain.
Shaft position	Non-contact 3300 XL 8 mm probe placement where the approved monitoring setup supports it.
External gap service	Housing access for gap adjustment or probe replacement without opening the machine case.
Protected conduit transition	The ordered fittings route the probe cable into the installed conduit system.

Safety distinction

The plastic housing is neither explosion-proof nor a pressure enclosure. Hazardous-area suitability depends on the approved installed transducer system, barriers and drawings.

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Questions, Source and Related Models

Exact-Configuration Questions

QUESTION	ANSWER
Which probe does option 16 specify?	Option 16 selects a standard 3300 XL 8 mm probe in the manufacturer's 31000 ordering table.
What cable length is selected by option 10?	The B10 selection specifies a 1.0 m (39 in) probe cable.
What is included with fitting option 02?	Two 3/4-14 NPT fittings and one plug are specified.

Manufacturer source

Bently Nevada 31000 and 32000 Proximity Probe Housing Assemblies Datasheet 141610 Rev. R. Ordering codes: pages 5-6; housing purpose, materials and warnings: pages 1-4. Related links are site navigation, not technical sources.

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