

Exact Ordering and Housing Role

Bently Nevada 31000-16-10-15-100-02-02

Bently Nevada 31000-16-10-15-100-02-02 is an external 31000 probe housing ordered with a standard 3300 XL 8 mm probe, 1.0 m probe cable and two 3/4-14 NPT fittings and one plug. The C15 standoff and D100 penetration selections define the installation geometry for accessible probe service in a matched 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
C15 standoff	1.5 in (38 mm) standoff adapter
D100 penetration	10 in 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, Proximity 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 probe mounting for a matched radial-vibration monitoring chain.
Shaft position	Non-contact 3300 XL 8 mm probe placement where the approved setup supports it.
External gap service	Accessible probe-gap adjustment or probe replacement without opening the machine case.
Conduit transition	The E02 fittings and plugs route the 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 A16 specify?	A16 selects a standard 3300 XL 8 mm probe in the manufacturer 31000 ordering table.
What does C15 select?	C15 specifies 1.5 in (38 mm) standoff adapter; retain the approved mounting geometry.
What is D100?	D100 is the 10 in manufacturer-coded adjustable probe penetration selection; confirm the controlled installed gap.

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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