

Exact Configuration and Housing Facts

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.

Ordering Configuration

FIELD	PUBLISHED 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

Material and protection

Conductive glass-reinforced PPS housing, stainless-steel sleeve hardware and published Type 4X/IP66 environmental protection. The housing is neither explosion-proof nor pressure rated.

Applications, Precautions and Evidence

Application Roles

APPLICATION	CONTROLLED USE
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.

Installation Precautions

IDENTITY AND MECHANICS	CONNECTION AND RELEASE
Confirm the complete 31000-16-10-15-100-02-02 mark and A16 standard 8 mm probe before replacement.	Use the ordered E02 arrangement: two 3/4-14 NPT fittings and one plug.
Match the F02 3/4-14 NPT outer sleeve to the approved machine-case connection.	Do not use the PPS housing as an explosion-proof or pressure enclosure.
Retain C15 and D100 geometry; do not infer interchangeability from housing appearance.	Verify the installed approval, barrier and drawings separately for hazardous-area work.
Protect the 1.0 m probe cable and connector along the installed route.	Set and record the static probe gap and monitored output with the matched 3300 XL procedure.

Manufacturer source

Bently Nevada datasheet 141610 Rev. R, pages 1-6; exact ordering code verified.