

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Bently Nevada 31000-30-05-15-049-01-02

PPS Proximity Probe Housing

PROBE	STANDOFF	PENETRATION	MOUNT
8 mm	1.5 in	4.9 in	3/4-14 NPT

For qualified personnel. This concise reference does not replace controlled manufacturer instructions, site safety procedures or approval documents.

01

CONFIRM ORDERED CONFIGURATION

Installed probe configuration	3300 XL 8 mm; protector; multiple-approval option
Probe cable length	0.5 m
Standoff adapter length	1.5 in (38.1 mm)
Nominal probe penetration	4.9 in (124.46 mm)
Conduit hardware	One 3/4-14 NPT fitting and two plugs
Machine mounting thread	3/4-14 NPT

02

INSTALLATION CONTROLS

- Match the 1.5 in standoff and 4.9 in penetration to the machine drawing; neither is the raw sleeve length.
- For radial vibration, the machine casing must be affixed to the bearing.
- Use the specified 29.4 N m retaining-nut torque; it is not a coaxial connector torque.
- The PPS housing is not explosion-proof and is not an internal or external pressure vessel.
- Verify the matched probe, extension cable, Proximitor and applicable approved system arrangement.

03 OFFICIAL INSTALLATION DRAWING

31000 and 32000 Proximity Probe Housing Assemblies
Datasheet 141610 Rev. R

Graphs and Figures

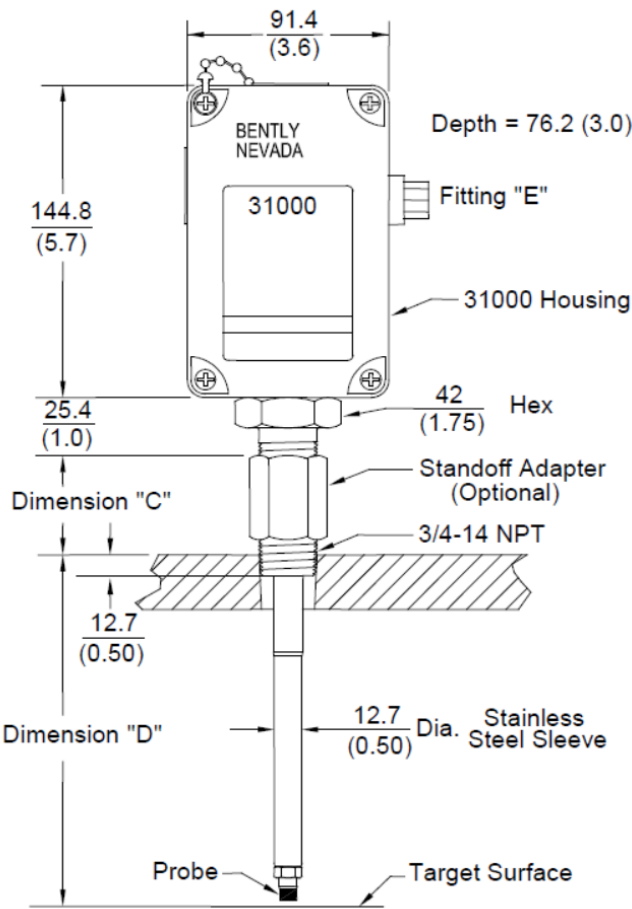


Figure 1: Dimensions for 31000 and 32000 Proximity Probe Housings

Dimensions are in millimeters (inches).

Original datasheet p.15. The family drawing retains both 31000 and 32000 references; this order uses the English 31000 options.

04 PRE-ENERGIZATION CHECKS

01	Confirm model 31000-30-05-15-049-01-02 and installed probe markings.
02	Verify mounting geometry, standoff, penetration, NPT fittings and access for adjustment.
03	Confirm housing support and casing-to-bearing attachment for radial vibration.
04	Check environmental protection and the approved hazardous-area system, where applicable.
05	Set and verify probe gap through the complete transducer system before machinery operation.
06	Retain controlled housing guide 124200 and applicable probe instructions with the machine record.

05 OFFICIAL DOCUMENTATION

Datasheet 141610 Rev. R

06 SCOPE REMINDER

This housing provides mechanical and environmental protection, not explosion-proof containment. Use the complete housing guide and probe instructions for final installation.

AMIKON PRODUCT SUPPORT

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