# Bently Nevada 31000&32000 Series Service Manual

31000-16-05-00-65-03-02

## 1. Description

"Manufacturer : Bently Nevada

## 3. Product Information

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Product No. : 31000-16-05-00-65-03-02

Product type : 31000 = Proximity Probe Housings

Made in U.S.A

A: Probe Option, With Connector : 16= 3300 XL 8 mm probe

B: Probe Cable Length Option :05 = 0.5 m (20 in)

C: Standoff Adapter Option : 00= No standoff adapter

D: Probe Penetration Option :65 =6.5 in

E: Fittings Option :

03= Two plugs, one 3/4-14 NPT fitting

One 3/4-14 to 1/2-14 NPT SST reducer

One cable seal grip with grommets for

the following cable sizes:

• 1/8 to 3/16 inches

• 1/4 to 5/16 inches

• 5/16 to 3/8 inches

F: Mounting Thread Option : 02= 3/4-14 NPT (Required if ordering Standoff Adapter Option.)

Protection Ratings: Type 4X rating certified by Canadian Standards Association (CSA). IP66 rating verified by SC115582-1 (e) 106. CENELEC standard EN50014 rating for electrostatic dissipation of a plastic material located in a hazardous area.

Housing Material: Glass-reinforced Polyphenylene Sulfide (PPS) thermoplastic containing conductive fibers

Sleeve Material and Retaining Chain: AISI 304 stainless steel

Outer Sleeve and Exterior Screws: AISI 303 stainless steel

O-Ring Material: Neoprene®

Housing Impact Strength: Certified by BASEEFA to withstand two separate 4 Joule (3.0 ft·lb) impacts at -39°C (-38°F) and at 115 °C (239°F). Samples of the housing and cover were verified by CSA to withstand a 7 Joule (5.2 ft·lb) impact at ambient room temperature.

Temperature Rating: -51°C to +105°C (-60°F to +221°F)

Weight : 1.2 Kg

Protection

Ratings

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Canadian Standards Association

(CSA). IP66 rating verified by

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standard EN50014 rating for

electrostatic dissipation of a plastic

material located in a hazardous

area.

Housing

Material

Glass-reinforced Polyphenylene

Sulfide (PPS) thermoplastic

containing conductive fibers

Sleeve Material

and Retaining

Chain

AISI 304 stainless steel

Outer Sleeve

and Exterior

Screws

AISI 303 stainless steel

O-Ring

Material Neoprene

Recommended

Torque

(retaining nut)

29.4 N·m (260 in·lb)

Housing

Strength

(typical)

Outer sleeve was mounted on a test stand with its axis parallel to horizontal and the housing mounted on the outer sleeve through an end hole. The housing supported 912 N (205 lb) placed approximately 38 mm (1.5 inches) from the unsupported end with the cover fastened in place and grounding liner installed.

Housing Impact Strength

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Weight 1.2 kg (2.6 lb) typical