Bently Nevada 31000&32000 Series Service Manual

31000-16-05-30-050-02-02

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 31000-16-05-30-050-02-02

Product type : 31000 Proximity Probe Housings

Made in U.S.A

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

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

Standoff Adapter Option : 30= 3.0 in

Probe Penetration Option : 050 = 5 in

Fittings Option :

02 Two 3/4-14 NPT fittings, one plug

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
Type 4X rating certified by
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(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
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

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.

Weight 1.2 kg (2.6 lb) typical