

# Bently Nevada 330901&330902&330908&330909 Series Service Manual

330902-00-50-05-02-05

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## 1. Description

Product No :330902-00-50-05-02-05

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## 3. Product Information



Product No :330902-00-50-05-02-05

Product Type : 3300 NSv Proximity Probes

Made in U.S.A

330902 3300 NSv Probe, 1/4-28 UNF thread,  
with armor

Unthreaded Length Option : 00 = 0.0 in

Overall Case Length Option : 50=5 in

Total Length Option : 05 = 0.5 metre (20 in)

Connector and Cable-Type Option :02 Miniature coaxial ClickLoc connector,  
standard cable

Agency Approval Option : 05 Multiple Approvals

Probe Case Material : AISI304 stainless steel (SST).

Probe Tip Material : Polyphenylene sulfide (PPS).

Probe Cable Specifications: 75 Ω coaxial, fluoroethylene propylene (FEP) insulated probe cable in the following total probe lengths: 0.5, 1, 5, or 7 metres.

Probe dc Resistance

Probe Length

(m)

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE)

(ohms)

0.5 4.0 ± 0.5

Connector-to-connector Torque

Probe Case

Torque

Maximum

Rated Recommended

1/4-28 or

M8X1 probe

cases

7.3 N•m

(65 in•lb)

5.1 N•m

(45 in•lb)

Thread Engagement Limits

Probe

Case

Thread

Maximum Length of Thread

Engagement

1/4-28 0.375 in

Probe Temperature Range

Operating

Temperature

-52°C to +177°C (-62°F to  
+351°F)

Storage

Temperature

-52°C to +177°C (-62°F to  
+351°F)

Exposing the probe

to temperatures

below -34°C (-30°F)

for a sustained

period of time may

cause premature

failure of the

pressure seal.

Probe



## Pressure

3300 NSv probes are designed to seal differential pressure between the probe tip and case. The probe sealing material consists of a Viton O-ring. Probes are not pressure tested prior to shipment.

Probe Approximately 14 to 150 g  
(0.5 to 5.3 oz)

