

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

330909-00-28-70-01-05

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## 1. Description

Product No :330909-00-28-70-01-05

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## 3. Product Information



Product No :330909-00-28-70-01-05

Product Type : 3300 NSv Proximity Probes

Made in U.S.A

330909 3300 NSv Probe, 3/8-24 UNF thread,  
with armor

Unthreaded Length Option : 00 = 0.0 in

Overall Case Length Option : 28= 2.8 in

Total Length Option : 70 7.0 meters (23.0 feet)

Connector and Cable-Type Option :01

Miniature coaxial ClickLoc connector

with connector protector, 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)

7.0 5.9 ± 0.9

Connector-to-connector Torque

Probe Case

Torque

Maximum

Rated Recommended

3/8-24 or

M10X1 probe

cases

33.9 N•m

(300 in•lb)

11.3 N•m

(100 in•lb)

3/8-24 or

M10X1 probe

cases – first

three

threads

22.6 N•m

(200 in•lb)

7.5 N•m

(66 in•lb)

Thread Engagement Limits

Probe

Case

Thread

Maximum Length of Thread

Engagement

3/8-24 0.563 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)

