

Bently Nevada 330909-00-80-70-02-00 Manual

Brand	Bently Nevada
Product Series	330901&330902&330908&330909
Product Type	3300 NSv Proximity Probes

Description

Product No :330909-00-80-70-02-00

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 : 80= 8.0 in

Total Length Option : 70 =7.0 meters (23.0 feet)

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

Agency Approval Option :00 = Not required

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) 7.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE)

(ohms)

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 3/8-24

Maximum Length of Thread

Engagement

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)

Counterbore

Minimum: 9.5 mm (0.375 in)

Recommended minimum:
13 mm (0.5 in)

Counterbores smaller than 13 mm (0.5 in) generally result in a change in scale factor at far gaps.

Reducing the gap between the probe and the target will allow the transducer system to maintain its

Average Scale Factor (ASF) over a reduced linear range. .

