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

330901-04-35-50-01-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

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Product Type : 3300 NSv Proximity Probes

Product No :330901-04-35-50-01-00

Product Type : 3300 NSv Proximity Probes

Made in U.S.A

330901 = 3300 NSv Probe, 1/4-28 UNF thread, without armor

Unthreaded Length Option : 04 = 0.4 in

Overall Case Length Option :35=3.5 in

Total Length Option : 50 = 5.0 meters (16.4 feet)

Connector and Cable-Type Option :01= Miniature coaxial ClickLoc connector with connector protector, 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) 5.0m

Resistance from the Center Conductor to the Outer Conductor (RPROBE)

(ohms)

5.3 ± 0.7

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)
Temperature
Classification
Ambient Temperature
(Probe Only)
For EPL Ga and Gc
T1 -55°C to +232°C
T2 -55°C to +177°C
T3 -55°C to +120°C
T4 -55°C to +80°C
T5 -55°C to +40°C
For EPL Dc
T280°C @ Ta -55°C to +232°C
T225°C @ Ta -55°C to +177°C
T170°C @ Ta -55C to +120°C
T130°C @ Ta -55°C to +80°C
T105°C @ Ta -55°C to +100°C
T90°C @ Ta -55°C to +40°C