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

330902-05-30-10-02-05

1. Description

Product No : 330902-05-30-10-02-05

3. Product Information

Product No : 330902-05-30-10-02-05

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 : 05 = 0.5 in

Overall Case Length Option : 30=3.0 in

Total Length Option : 10= 1.0 meter (39 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) 1.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE)

(ohms)

4.2 ± 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)

Temperature Schedule

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