Bently Nevada 330703&330704&330705&330709&330 Series Service Manual

330708-00-20-50-02-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330708-00-20-50-02-05

Product type : 3300 XL 11 mm Proximity Probes

Made in U.S.A

330708 = 3300 XL 11 mm Probe, 5/8-18 UNF thread, without armor

Unthreaded Length Option : 00=0 in

Overall Case Length Option :20 = 2.0 in

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

Five meter probes are designed for use with the five meter Proximitor Sensor only.

Connector and Cable-Type Option : 02= Miniature coaxial ClickLoc

connector, standard cable

Agency Approval Option : 05 = Multiple Approvals

Probe Tip Material: Polyphenylene sulfide (PPS).

Probe Case Material: AISI 304 stainless steel (SST).

Probe Cable Specifications: 75 Ω triaxial, fluoroethylene propylene (FEP) insulated probe cable in the following total probe lengths: 1, 5 or 9 metres.

Operating and Storage Temperature: -51°C to +177°C (-60°F to +351°F)

Probe Pressure: 3300 XL 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. Contact our custom design department if you require a test of the pressure seal for your application

Shipping weight : 0.17 Kg

Probe dc Resistance

Probe

Length (m) 5.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE) (ohms) 7.2 ± 0.8

Probe Case Thread 5/8-18

Maximum Length of Thread Engagement 0.938 in

Probe Case Torque 1/2-20 and 5/8-

18 probe cases

Maximum Rated 45.2 N•m (400 in•lb)

Recommended

15.2 N•m (133 in•lb)

Probe Tip

Material Polyphenylene sulfide (PPS).

Probe Case

Material AISI 304 stainless steel (SST).

Probe Cable

Specification

75 Ω triaxial, fluoroethylene

propylene (FEP) insulated

probe cable in the following

total probe lengths: 1, 5 or 9

meters.

Connector-to-connector torque

Recommended

torque Finger tight

Maximum

torque 0.565 N•m (5 in•lb)

Minimum Bend

Radius (with or

without SST

armor)

25.4 mm (1.0 in)

Probe Temperature Range

Operating and

Storage

Temperature

-52°C to +177°C (-62°F to

+351°F)

Exposing the probe to temperatures below -34°C (30°F) may cause premature failure of the pressure seal.

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