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

330706-005-46-10-02-00

## 1. Description

Manufacturer : Bently Nevada

## 3. Product Information

Manufacturer : Bently Nevada

Product No. : 330706-005-46-10-02-00

Product type : 3300 XL 11 mm Reverse Mount Probe

Made in U.S.A

330706-005-046- CC-DD-EE M10 x 1 threads

Total Length Option : 10 = 1.0 metre (3.3 feet)

Connector Option : 02 =Miniature ClickLoc coaxial connector

Agency Approval Option : 00 = Not required

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

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

Weight : 0.07 Kg

Probe dc Resistance

Probe

Length (m) 1.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE) (ohms) 5.9 ± 0.5

Mechanical

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)

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.

Probe Case Torque:Reverse mount probes

Maximum Rated 22.6 N•m (200 in•lb)

Recommended 7.5 N•m (66 in•lb

Temperature Schedule

Ambient Temperature

(Probe Only)

For EPL Ga and Gc

Temperature Classification T1 Ambient Temperature -55°C to +232°C

Temperature Classification T2 Ambient Temperature -55°C to +177°C

Temperature Classification T3 Ambient Temperature -55°C to +120°C

Temperature Classification T4 Ambient Temperature -55°C to +80°C

Temperature Classification T5 Ambient Temperature -55°C to +40°C

For EPL Dc

Temperature Classification T280°C @ Ta Ambient Temperature -55°C to +232°C

Temperature Classification T225°C @ Ta Ambient Temperature -55°C to +177°C

Temperature Classification T170°C @ Ta Ambient Temperature -55C to +120°C

Temperature Classification T130°C @ Ta Ambient Temperature -55°C to +80°C

Temperature Classification T105°C @ Ta Ambient Temperature -55°C to +100°C

Temperature Classification T90°C @ Ta Ambient Temperature -55°C to +40°C