# Bently Nevada 330903&330904&330905&330910 Series Service Manual

330910-03-20-05-11-00

## 1. Description

Part Number: 330910-03-20-05-11-00

## 3. Product Information

Part Number: 330910-03-20-05-11-00

Model: 3300 NSv Proximity Probes

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

Model: 330910 ： 3300 NSv Probe, M10X1 thread, with armor

Unthreaded Length Option: -03- 30 mm

Unthreaded length must be

at least 20 mm less than

the case length.

Overall Case Length Option: 20-200 mm

Total Length Option: -05 0.5 meter (20 in)

Connector and Cable Type Option: -11

Miniature coaxial ClickLoc connector

with connector protector, FluidLoc

cable

Agency Approval Option: -00 - Not required

Probe dc Resistance

Probe Length

(m) 0.5

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE)

(ohms) 4.0 ± 0.5

Mechanical

Probe Tip

Material Polyphenylene sulfide (PPS).

Probe Case

Material AISI 304 stainless steel (SST).

Probe Cable

Specifications

75 Ω coaxial, fluoroethylene

propylene (FEP) insulated

probe cable in the following

total probe lengths: 0.5, 1, 5,

or 7 meters.

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)

Recommended

torque Finger tight

Maximum torque 0.56 N•m (5 in•lb)

Minimum Bend

Radius (with or

without sst

armor)

25.4 mm (1.0 in)

Probe Approximately 14 to 150 g

(0.5 to 5.3 oz)

Probe

Case

Thread

Maximum Length of Thread

Engagement

M10x1 15 mm

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.

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