

# Bently Nevada 330910-05-09-10-01-CN Manual

|                |                             |
|----------------|-----------------------------|
| Brand          | Bently Nevada               |
| Product Series | 330903&330904&330905&330910 |
| Product Type   | Option: -01                 |

## Description

Part Number: 330910-05-09-10-01-CN

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: -05 - 50 mm

Unthreaded length must be  
at least 20 mm less than  
the case length.

Overall Case Length Option: 09-90 mm

Total Length Option: -10 - 1.0 metre (39 in)

Connector and Cable Type Option: -01

Miniature coaxial ClickLoc connector  
with connector protector, standard  
cable

Agency Approval Option: -CN Country Specific

### Probe dc Resistance

Probe Length  
(m)

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

1.0 4.2 ± 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 -55°C 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

