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

330709-000-060-50-02-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330709-000-060-50-02-05

Product type : 3300 XL 11 mm Proximity Probes

Made in U.S.A

330709 3300 XL 11 mm Probe, M16 x 1.5 thread, without armor

Unthreaded Length Option : 000 = 0 mm

Overall Case Length Option : 060 =60mm

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 dc Resistance

Probe

Length (m)

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE) (ohms)

5.0 7.2 ± 0.8

Cross-talk Limitation:

Target Size - Flat Surface

Diameter

Recommended

Minimum 30.5 mm (1.2 in)

Shaft Diameter

Recommended

Minimum 152 mm (6.0 in)

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.

Probe Case Torque

M14x1.5 and

M16x1.5 probe

cases

63.3 N•m

(560 in•lb)

21.1 N•m

(187 in•lb)

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 Case Thread M16x1.5

Maximum Length of Thread Engagement 24 mm

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.