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

330704-000-050-10-02-05

1. Description

Part Number: 330704-000-050-10-02-05

3. Product Information

Part Number: 330704-000-050-10-02-05

Model: 3300 XL 11 mm Proximity Probes, Metric

Brand: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

Model: 330704 = 3300 XL 11 mm Probe, M14 x 1.5 thread, with armor

Unthreaded Length Option: 000 - 00 mm

Overall Case Length Option:050 = 50 mm

Total Length Option: 10 - 1.0 metres (3.3 feet)

Connector and Cable Type Option: 02 = Miniature coaxial ClickLoc

connector, standard cable

Agency Approval Option: 05 = Multiple Approvals

Probe dc Resistance

Probe Length (m) 1.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE) (ohms)

5.9 ± 0.5

Effects of 60 Hz Magnetic Fields Up to 300

Gauss (5 meter system)

Output voltage in mil pp/gauss

Gap 0.5 mm (20 mil) Probe 0.001

Gap 2.5 mm (100 mil) Probe 0.009

Gap 4.6 mm (180 mil)Probe 0.027

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

Maximum 63.3 N•(560 in•lb)

Rated Recommended

21.1 N•m (187 in•lb)

Probe Case Thread M14x1.5

Maximum Length of Thread

Engagement

21 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.

Probe Case Torque M14x1.5 and M16x1.5 probe cases

Maximum Rated 63.3 N•m (560 in•lb)

Recommended 21.1 N•m (187 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