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

330705-02-18-50-00-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330705-02-18-50-00-00

Product type : 3300 XL 11 mm Reverse Mount Probe

Made in U.S.A

330705-02-18- CC-DD-EE 3/8-24 UNF threads

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 Option : 00 = Miniature ClickLocTM 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) 5.0

Resistance from the Center

Conductor to the Outer

Conductor (RPROBE) (ohms)

7.2 ± 0.8

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.

Hazardous Area Approvals

3300 XL Proximitor Sensor

ia When installed with intrinsically safe zener barriers per drawing 141092

or when installed with galvanic isolators.

Class I, Zone 0: AEx/Ex ia IIC T4/T5 Ga;

Class I, Groups A, B, C, and D,

Class II, Groups E, F and G,

Class III;

T5 @ Ta= -55°C to + 40°C.

T4 @ Ta= -55°C to + 80°C.

nA, ec

When installed

with nonincendive

circuit

connected per

drawing

140979.

Class I, Zone 2: AEx/Ex nA IIC T4/T5 Gc;

Class I, Division 2, Groups A, B, C, and

D;

Class I, Zone 2: AEx/Ex ec IIC T4/T5 Gc;

Class I, Division 2, Groups A, B, C, and

D;

T5 @ Ta= -55°C to + 40°C

T4 @ Ta= -55°C to + 80°C