Bently Nevada 330876 Series Service Manual

330876-01-50-01-05

1. Description

Part Number: 330876-01-50-01-05

3. Product Information

Part Number: 330876-01-50-01-05

Model: 3300 XL 50 mm Proximity Probe

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Model and Suffix Codes

Model: 330876 - 3300 XL 50 mm Proximity Probe

Probe Case Type Option: -01 - ½-20 Thread – Straight Exit

Total Length Option: -5 0 =5.0 meters (16.4 feet)

Five meter probes are

designed for use with

the five meter

Proximitor Sensor only.

Armor Option: -0 1=High Temperature FluidLoc

Cable with Armor

Agency Approval Option: -0 5 =Multiple Approvals

The 3300 XL 50 mm probe is designed to

survive the harshest steam turbine DE

environments. It can continually operate and

maintain its accuracy in high temperatures up

to 200°C (392°F), and can withstand

intermittent high temperatures up to 250°C

(482°F). The 50 mm probe has both a front and

rear seal which, combined with the High

Temperature FluidLoc cable (standard on all 50

mm probes), prevent moisture from entering

the probe tip. Special high-temperature

ClickLoc connectors are also standard on the

probe and extension cable. Each probe and

cable comes with connector protectors and a

disposable connector protector installation tool

to ensure that the connectors remain free of

contamination. The ClickLoc connector on the

probe lead features a removable collar that

facilitates routing the cable through tight

clearances.

The 3300 XL 50 mm probe is available in

straight exit case styles with ½-20 English

threads or M14x1.5 metric threads, including a

locknut with predrilled safety wire holes. The

side exit probe has two ¼-20 mounting holes in

the rear of the probe case. For both straight exit

and side exit probes the overall case diameter

is 1.99 inches.

Probe DC Resistance

Probe Length 5.0 m

Resistance from Center to Coaxial Conductor7.6 ± 0.8 Ω

Probe Tip

Material

Polyphenylene Sulfide

(PPS).

Probe Case

Material

AISI 304 stainless steel

(SST).

Probe Cable

Specifications

75 Ω triaxial,

perfluoroalkoxyethylene

(PFA) insulated FluidLoc
probe cable in the
following total probe
lengths: 1, 5 or 9 meters.
Probe Case Thread 1/2-20
Maximum Length of Thread Engagement 0.750 in
Operating and
Storage
Temperature
-35°C to +200°C (-31°F to
+392°F)
Short-term
Operating and
Storage
Temperature
+250°C (+482°F) for less
than 24 hours.