

Bently Nevada 330105&330106 Series Service Manual

330105-02-12-50-02-00

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. :330105-02-12-50-02-00

Product Type : 3300 XL 8 mm Reverse Mount Probes

Made in U.S.A

330105-02-12-CC-DD-EE3/8-24 UNF threads

Total length option : 50 5.0 meters (16.4 feet)

5-meter probes are designed for

use with the 5 meter Proximito

sensor only.

Connector option :

02 Miniature ClickLoc coaxial

connector

Agency approval option : 00 Not required

Probe tip material : Polyphenylene sulfide (PPS).

Probe case material : AISI 303 or 304 stainless steel (SST).

Nominal Probe DC Resistance

Resistance (RPROBE) from Center Conductor

to Outer Conductor

Probe

Length (m)

RPROBE(Ω)

5.0 8.73 $\pm$ 0.50

Mechanical

Probe Tip

Material Polyphenylene sulfide (PPS).

Probe Case

Material

AISI 303 or 304 stainless steel

(SST).

Probe Cable Specifications

Standard

cable

75 Ω triaxial, fluoroethylene

propylene (FEP) insulated

probe cable in the following

total probe lengths: 0.5, 1, 1.5, 2,

3, 5, or 9 meters.

Extended

Temperature

Range cable

75 Ω triaxial, perfluoroalkoxy

(PFA) insulated probe cable in

the following total probe

lengths: 0.5, 1, 1.5, 2, 5, or 9

meters.

Aarmor

(optional on

both)

Flexible AISI 302 or 304 SST

with FEP outer jacket.

Tensile

Strength

(Maximum

Rated)

330 N (75 lbf) probe case to

probe lead.

270 N (60 lbf) at probe lead to

extension cable connectors.

Connector

Material

Gold-plated brass or goldplated beryllium copper.

Probe

Case

Thread

Maximum Length of Thread

Engagement

3/8-24 0.563 in

Probe 323 g/m (11.4 oz)

Probe Temperature Range

Operating and Storage Temperature

Standard

Probe

-52°C to +177°C (-62°F to
+350°F)

Extended

Temperature

Range Probe

-52°C to +218°C (-62°F to
+425°F) for the probe tip; -
51°C to +260°C (-60°F to
+500°F) for the probe cable

and connector.

Exposing the probe to temperatures

below -34°C (-30°F) may cause
premature failure of the pressure
seal.

Probe Pressure

3300 XL 8 mm 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.

Probe Relative Humidity

Less than a 3% change in Average Scale
Factor (ASF) when tested in 93% humidity in
accordance with IEC standard 68 2 3 for up to
56 days.

