

Bently Nevada 330105&330106 Series Service Manual

330105-02-12-30-02-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330105-02-12-30-02-05

Product type : Reverse Mount Probes

Made in U.S.A

Model: 330105-02-12 - 3300 XL 8 mm Reverse Mount Probes

Total Length Option: -30 3.0 meters

Connector Option: -02 Miniature ClickLoc coaxial
connector

Agency Approval Option: -05 CSA, ATEX, IECEx Approvals

Dimension : 20.4 cm x 22.2 cm x 3.7 cm

Nominal Probe DC Resistance

Resistance (RPROBE) from Center Conductor
to Outer Conductor

Probe

Length (m)

RPROBE(Ω)

3.0 8.17 ± 0.50

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.

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.

Hazardous Area Approvals

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 T5...T1 Ga;

Class 1, Groups A, B, C, and D,

Class II, Groups E, F, and G,

Class III;

nA, ec

When installed

with nonincendive

circuit

connected per

drawing

140979.

Class I, Zone 2: AEx/Ex nA IIC T5...T1 Gc;

Class 1, Division 2, Groups A, B, C, D;

Class 1, Zone 2: AEx/Ex ec IIC T5...T1 Gc;

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

D;

Temperature Schedule

Temperature

Classification

Ambient Temperature

(Probe Only)

For EPL Ga and Gc

T1 -55°C to +232°C

T2 -55°C to +177°C

T3 -55°C to +120°C

T4 -55°C to +80°C

T5 -55°C to +40°C

For EPL Dc

T280°C @ Ta -55°C to +232°C

T225°C @ Ta -55°C to +177°C

T170°C @ Ta -55°C to +120°C

T130°C @ Ta -55°C to +80°C

T105°C @ Ta -55°C to +100°C

T90°C @ Ta -55°C to +40°C

