# Bently Nevada 21000&24701 Series Service Manual

21000-28-05-00-077-03-02

## 1. Description

Product Number:21000-28-05-00-077-03-02

## 3. Product Information

Product Number:21000-28-05-00-077-03-02

Model: Proximity Probe Housing Assemblies

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

Model: 21000 - Proximity Probe Housing Assemblies

Suffix Codes:

Probe Option, with Connector: 28= 3300 XL 8 mm probe, selectable

hazardous area approvals

Probe Cable Length 05 =0.5 m (20 in)

Standoff Adapter:  No standoff adapter = 00

Probe Penetration: 077= 7.7 in

Fitting Option:03:

One 3/4-14 NPT plug

One 3/4-14 to 1/2-14 NPT reducer

One cable seal grip with grommets for

the following cable sizes:

• 1/8 to 3/16 inches

• 1/4 to 5/16 inches

• 5/16 to 3/8 inches

Mounting Thread Option: 02:

3/4-14 NPT

Must be ordered if Standoff

Adapter Length option is not

00.

Material

21000 Aluminum body with 304

stainless steel sleeve

Probe

Cable

Length

Maximum (C) +

(D)

with visible probe

(P/N and S/N)

Maximum (C) +

(D) Dimension

0.5 m Not visible 13.5 in (34.3 mm)

1.1 kg (2.4 lb) typical,

without fittings

The 21000 and 24701 Proximity Probe Housing Assemblies

consist of the following parts:

l A dome cover that screws into the body of the housing

l Threaded ports for conduit connections

l A probe sleeve of optional length

l 0-rings

l A reverse mount proximity probe

l A thread seal

l Optional conduit fittings

l An optional standoff adapter

The 21000 and 24701 Proximity Probe Housing Assemblies are

available with Canadian Standards Association (CSA)

approvals. They are rated explosion proof for hazardous

areas.

You can order hazardous area approved proximity probes

with 21000 aluminum and 24701 stainless steel housings for

intrinsically safe applications. Both housings

are certified as CSA Type 4 enclosures and are

fully compliant with the American Petroleum Institute's (API) 670 Standard for externally mounted proximity probe housings.

Compliance and Certifications

RoHS

European Community Directive:

RoHS Directive 2011/65/EU

21000 and 24701

CA21000 and CA24701 housings are certified by CSA for explosion-proof applications in the following areas:

North America

Class I Divisions 1 and 2 Groups C and D

Class II Divisions 1 and 2 Groups E, F, and G

Circuit is non-incendive when connected per drawing 140979

Class III

Enclosure Type 4

T5 @ Ta = -50°C to +40°C

T4 @ Ta = -50°C to +80°C

CA housings can only be ordered for North American End Users. For all other end user countries, housings 21000 and 24701 must be ordered.