

# Bently Nevada 21000&24701 Series Service Manual

21000-28-05-00-070-01-02

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## 1. Description

Product Number:21000-28-05-00-070-01-02

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## 3. Product Information



Product Number:21000-28-05-00-070-01-02

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: 00=0 in

Probe Penetration: 070= 7 in

Fitting Option:01 =One 3/4-14 NPT explosion-proof fitting

One 3/4-14 NPT plug

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 0.5 m

Maximum (C) +

(D)

with visible probe

(P/N and S/N)

Maximum (C) +

(D) Dimension

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:

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

I Threaded ports for conduit connections

I A probe sleeve of optional length

I O-rings

I A reverse mount proximity probe

I A thread seal

I Optional conduit fittings

I 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 @  $T_a = -50^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

T4 @  $T_a = -50^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$

CA housings can only be ordered for North

American End Users. For all other end user

countries, housings 21000 and 24701 must be  
ordered.

