Bently Nevada 21000&24701 Series Service Manual

21000-28-05-20-018-03-02

1. Description

Product Number: 21000-28-05-20-018-03-02

3. Product Information

Product Number: 21000-28-05-20-018-03-02

Model: Proximity Probe Housing Assemblies

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

21000 - AA-BB-CC-DDD-EE-FF

Model: 21000 - Proximity Probe Housing Assemblies

Suffix Codes:

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

hazardous area approvals

B: Probe Cable Length: 05 0.5 m (20 in)

C: Standoff Adapter Length (Option C

Dimension)20=2 in

D: Probe Penetration (Option D Dimension): -018=1.8 in

Probe P/N and S/N may be displayed on a flag

label for some combinations of the C plus D

options where only a small section of the probe

cable is visible.

For probe penetration lengths between 1.0 and

2.0 inches, it may be necessary to counter bore

the machine case to reduce probe side view or

rear view effects.

If you select a probe penetration length (C plus

D) greater than 300 mm (12 in), you must add

sleeve support near the probe to prevent

resonance from occurring. Adjustment range of

probe penetration option D is 13 mm (± 0.5 in).

E: Fittings 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

F: 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 cm)

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.