

AMIKON TECHNICAL DOCUMENTATION

# Installation Instructions

Bently Nevada 21000-28-05-00-030-04-02

Aluminum Proximity Probe Housing

|       |             |             |            |
|-------|-------------|-------------|------------|
| PROBE | PROBE CABLE | PENETRATION | MOUNT      |
| 8 mm  | 0.5 m       | 3.0 in      | 3/4-14 NPT |

For qualified personnel. This concise reference does not replace controlled manufacturer instructions, site safety procedures or approval documents.

01

## CONFIRM ORDERED CONFIGURATION

|                           |                                          |
|---------------------------|------------------------------------------|
| Included probe            | 3300 XL 8 mm; selectable probe approvals |
| Probe cable length        | 0.5 m                                    |
| Standoff adapter          | Not fitted                               |
| Nominal probe penetration | 3.0 in (76.2 mm)                         |
| Conduit hardware          | One 3/4-14 NPT plug                      |
| Mounting connection       | 3/4-14 NPT                               |

02

## INSTALLATION CONTROLS

- Confirm the 3.0 in penetration, no-standoff arrangement and 3/4-14 NPT machine connection.
- Match the 0.5 m probe cable to the complete extension-cable and Proximitor system; it is not system length.
- Check the sleeve support and the actual probe target position against the controlled drawing.
- Use the applicable probe gapping instructions and verify the complete measurement channel.
- Do not claim CA21000 explosion-proof approval for this ordinary 21000 designation.

03 OFFICIAL INSTALLATION DRAWING

21000, 24701, and I64818 Proximity Probe Housing Assemblies  
Datasheet 141600 Rev. AC

Graphs and Figures

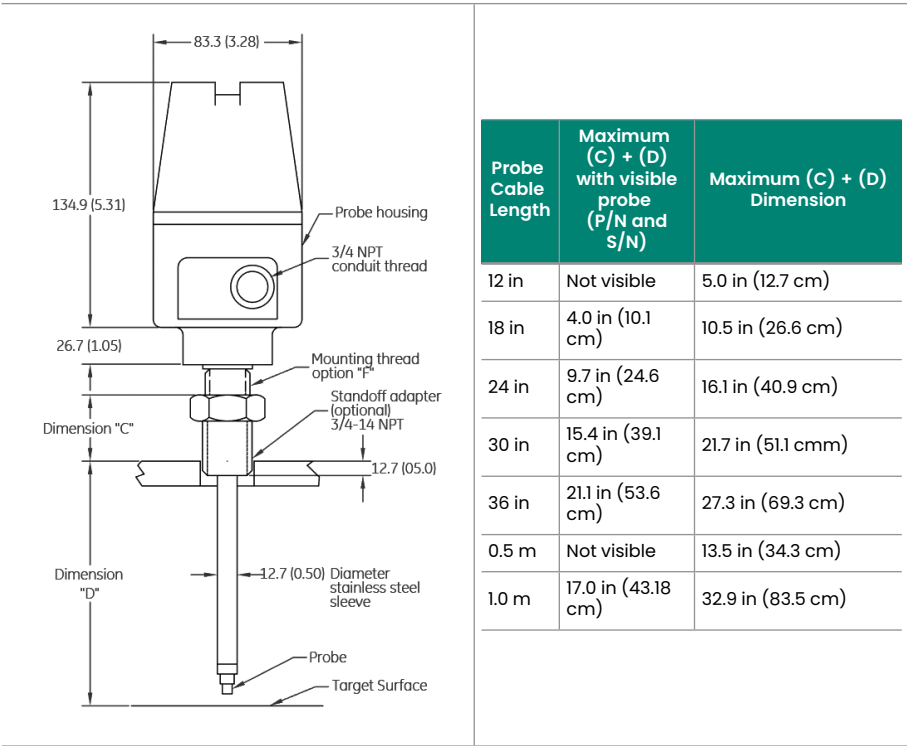


Figure 1: 21000/CA21000 Proximity Probe Housing Assembly

Dimensions are in millimeters (inches).

Original datasheet p.16, 21000/CA21000 family geometry. This order is ordinary 21000; CA certification is not implied.

04 PRE-ENERGIZATION CHECKS

|    |                                                                                           |
|----|-------------------------------------------------------------------------------------------|
| 01 | Confirm model 21000-28-05-00-030-04-02 and the installed probe markings.                  |
| 02 | Check the 3.0 in penetration and 3/4-14 NPT thread without adding an unlisted standoff.   |
| 03 | Verify the one-plug fittings option and seal unused conduit entries as instructed.        |
| 04 | Match probe, extension cable and Proximitar; confirm the electrical system length.        |
| 05 | Review applicable approval documents rather than substituting CA enclosure certification. |
| 06 | Complete probe-gap and functional checks before releasing the machine for service.        |

05 OFFICIAL DOCUMENTATION

Datasheet 141600 Rev. AC

06 SCOPE REMINDER

The housing is a mechanical mounting and protection assembly, not a signal conditioner. Its 0.5 m value is the probe cable length. Check the complete measuring system and exact approval documents.

AMIKON PRODUCT SUPPORT

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