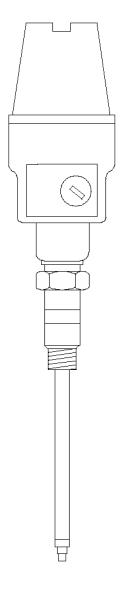
21000 and 24701 Proximity Probe Housing Assemblies

Datasheet

Bently Nevada Machinery Condition Monitoring

141600 Rev. V



Description

To externally mount proximity probes, use one of these allmetal Proximity Probe Housing Assemblies:

- 21000 aluminum probe housing assembly
- 24701 stainless steel probe housing assembly

The 21000 and 24701 Proximity Probe Housing Assemblies consist of the following parts:

- · A dome cover that screws into the body of the housing
- Threaded ports for conduit connections
- A probe sleeve of optional length
- O-rings
- · A reverse mount proximity probe
- · A thread seal
- · Optional conduit fittings
- An optional standoff adapter



A newer 31000/32000 proximity probe housing assembly is available with more flexible mounting options, better environmental resistance, and other improved features. We recommend this proximity probe housing assembly for installations where an explosion proof housing is not required. See 31000 and 32000 Proximity Probe Housings product datasheet (document 141610).

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.

The 164818 Compact Proximity Probe Housing is also available for applications with space restrictions. Ceramic capped probes are available with the 164818 housing.

Sleeve length is determined by the location in which the probe and housing are installed. The probe lead must be longer than the sleeve. Sleeve lengths longer than 304 mm (12 inches) require additional sleeve support to reduce the vibration associated with unsupported long sleeve lengths.

Bently Nevada offers a probe support and oil seal (part number 37948-01) for long sleeves that must go through an inner bearing housing. We also make custom sleeve supports.

Related Documents

For probe information, refer to the following manuals:

- 3300 XL 8mm & 3300 5mm Proximity Transducer System User Guide (document 141078)
- 3300 XL NSv Proximity Transducer System User Guide (document 147357)
- 3300 XL 11mm Proximity Transducer System Installation User Guide (document 146255)
- Radiation Resistant Probe and Proximitor System (document TW8029407)



Specifications

Environmental

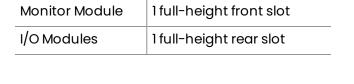
Temperature Range

3300 XL 8mm Probe		
Operating and storage	-51°C to +177°C (-60°F to +351°F)	
3300 XL 11mm Probe		
Operating and storage	-51°C to +177°C (-60°F to +351°F)	
3300 NSv Probe		
Operating	-34°C to +177°C (-30°F to +351°F)	
Storage	-51°C to +177°C (-60°F to +351°F)	

\triangle	CAUTION
^	EQUIPMENT DAMAGE
	Exposing 3300 XL or 3300 NSv probes to temperatures below -34°C (-30°F) may cause premature failure of their pressure seals.

Mechanical

Material		
21000	Aluminum body with 304 stainless steel sleeve	
24701	303 stainless steel body, with 304 stainless steel sleeve	
Mass (Weight)		
21000	1.1 kg (2.4 lb) typical, without fittings	
24701	1.8 kg (4.1 lb) typical, without fittings	





Compliance and Certifications RoHS

European Community Directive: RoHS Directive 2011/65/EU

Hazardous Area Approvals



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

21000 and 24701

CA housings are certified by CSA for explosionproof 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



Ordering Information



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

Proximity Probe Housing Assemblies

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

A: Pro	be with Connector
00	Probe not required
14	420 nuclear
16	3300 XL 8mm probe
26	3300 XL NSv probe
27	3300 XL NSv probe, selectable hazardous area approvals
28	3300 XL 8mm probe, selectable hazardous area approvals
29	3300 XL 11mm probe
30	3300 XL 11mm probe, selectable hazardous area approvals
31	3300 XL NSv probe with connector protector
32	3300 XL NSv probe with connector protector, selectable hazardous area approvals
33	3300 XL 8mm probe with connector protector
34	3300 XL 8mm probe with connector protector, selectable hazardous area approvals
35	3300 XL 11mm probe with connector protector

	141000 Rev. v
36	3300 XL 11mm probe with connector protector, selectable hazardous area approvals
37	3300 XL 8mm probe, ETR, selectable hazardous area approvals (available for 21000 only)
B: Pro	pe Cable Length
00	Probe cable not required
05	0.5 m (20 in)
10	1.0 m (39 in)
12	12.0 in
18	18.0 in
24	24.0 in
30	30.0 in
36	36.0 in
C: Star	ndoff Adapter (Option C Dimension)
15	Minimum length 1.5 in (38 mm)
75	Maximum length 7.5 in (191 mm)
	Recommendation
	Order in increments of 0.5 in (13 mm)
	Examples
	1.5 in (38 mm) = 15 No standoff adapter = 00
D: Prol	be Penetration (Option D Dimension)
10	Minimum length 1.0 in (25.4 mm)
Other	
	Recommendation
	Order in increments of 0.1 in (3 mm)
	Examples
	3.7 in (94 mm) = 037

2.4 in (569 mm) = **224**





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). For the maximum value of C plus D, see 21000/CA21000 Dimensions on page 1.

E: Fittings	
00	Without fittings
01	One 3/4-14 NPT explosion-proof fitting One 3/4-14 NPT plug
02	Two 3/4-14 NPT explosion-proof fittings
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
04	One 3/4-14 NPT plug only



Although explosion-proof fittings are available for all housings, only CA versions of the housing are rated as



explosion-proof by CSA when ordered with the **E:00**, **E:01**, **E:02**, or **E:04** options.

F: Mounting Thread		
01	As cast without threads	
02	3/4-14 NPT Must be ordered if Standoff Adapter Length option is not 00.	
04	1/2-14 BSP	

24701-AA-BB-CC-DDD-EE-FF

A: Probe with Connector		
00	Probe not required	
14	420 nuclear	
16	3300 XL 8mm probe	
26	3300 XL NSv probe	
27	3300 XL NSv probe, with approval option	
28	3300 XL 8mm, with approval option	
29	3300 XL 11mm	
30	3300 XL 11mm, with approval option	
31	3300 XL NSv with connector protector	
32	3300 XL NSv with connector protector and approval option	
33	3300 XL 8mm with connector protector	
34	3300 XL 8mm with connector protector and approval option	
35	3300 XL 11mm with connector protector	



36	3300 XL 11mm with connector protector and approval option
37	3300 XL 8mm ETR, with approval option
B: Probe	Cable Length
00	Probe cable not required
05	20 in (0.5 m)
10	39 in (1.0 m)
12	12.0 ft (3.6 m)
18	18.0 ft (3.6 m)
24	24.0 ft (7.3 m)
30	24.0 ft (7.3 m)
36	36.0 ft (10.9 m)
C: Stand	doff Adapter (Option C Dimension)
15	Minimum length 1.5 in (38 mm)
75	Maximum length 7.5 in (191 mm)
	Examples
	1.5 in (38 mm) = 15 No standoff adapter = 00
	Recommendation
	Order in increments of 0.5 in (13 mm)
D: Probe	Penetration (Option D Dimension)
010	Minimum length 1.0 in (25.4 mm)
Other	See 21000/CA21000 Dimensions on page 1.
	Example
	3.7 in (94 mm) = 037 22.4 in (569 mm) = 224
	B

Recommendation

Order in increments of 0.1 in (3 mm)



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). For the maximum value of C plus D, see 21000/CA21000 Dimensions on page 1.

E: Fittings	
00	Without fittings
01	One 3/4-14 NPT explosion-proof fitting One 3/4-14 NPT plug
02	Two 3/4-14 NPT explosion-proof fittings
	One 3/4-14 NPT plug One 3/4-14 to 1/2-14 NPT reducer
03	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
04	One 3/4-14 NPT plug only





Although explosion-proof fittings are available for all housings, only CA versions of the housing are rated as explosion-proof by CSA when ordered with the E:00, E:01, E:02, or E:04 options.

F: Mounting Thread	
01	As cast without threads
	3/4-14 NPT (see note [1] below)
02	Must be ordered if Standoff Adapter Length Option is not 00.
03	1-11 1/2 NPT (see note [1] below)
04	1/2-14 BSP
05	7/8-14 UNF-2A



(1) For CA21000 housing, option F must be 02. Options 02 and 03 for mounting threads have more threads than standard NPT threads. They have been machined to have approximately 5 - 7 full threads to increase mounting strength and stiffness.

Explosion-Proof Housing Assemblies



For CA21000 housing, option F must be 02. Options 02 and 03 for mounting threads have more threads than standard NPT threads. They have been machined to have approximately 5 - 7 full threads to increase mounting strength and stiffness.

CA21000-AA-BB-CC-DDD-EE-F02



Options A:00 and B:00 are linked. If you choose A:00, you must also select B:00.

A: Probe with Connector		
00	Probe not required	
01	190 series, CSA, BNPS connector	
02	190 series, CSA, API connector	
27	3300 XL NSv, multiple approval	
28	3300 XL 8mm, multiple approval	
30	3300 XL 11mm, multiple approval	
32	3300 XL NSv with connector protector, multiple approval	
34	3300 XL 8mm with connector protector, multiple approval	
36	3300 XL 11mm with connector protector, multiple approval	
B: Probe	Cable Length	
05	0.5 meter (20 inches)	
20	1.0 meter (39 inches)	
C: Standoff Adapter (Option C Dimension)		
15	Minimum length 1.5 in (38 mm)	
75	Maximum length 7.5 in (191 mm)	



	Example		
	1.5 in (38 mm) = 15		
	No Standoff adapter = 00		
	Recommendation		
	Order in increments of 0.5 in (13 mm)		
D: Probe Penetration (Option D Dimension)			
010	Minimum length 1.0 in (25.4 mm)		
Other	See 21000/CA21000 Proximity Probe Housing Assembly on page 16.		
	Example		
	3.7 in (94 mm) = 037		
	22.4 in (569 mm) = 224		
	Recommendation		
	Order in increments of 0.1 in (3 mm)		



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). For the maximum value of C plus D, see 21000/CA21000 Dimensions on page 1.

E: Fittings		
00	Without fittings	
01	One 3/4-14 NPT explosion-proof fitting One 3/4-14 NPT plug	
02	Two 3/4-14 NPT explosion-proof fittings	
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	
04	One 3/4-14 NPT plug only	



Although explosion-proof fittings are available for all housings, only CA versions of the housing are rated as explosion-proof by CSA when ordered with the E:00, E:01, E:02, or E:04 options.

For non-explosion-proof housings, if you choose a probe with selectable hazardous area approvals, you must choose a probe with matching approval options.

When ordering a proximitor and an extension cable with the housing, choose a probe with matching approval options.



You can only order probes for CA21000 or CA24701 with multiple approvals. To order CA versions with no probe, select the A:00 option.

CA24701-AA-BB-CC-DDD-EE-FF

A: Probe with Connector	
00	Probe not required
01	190 series, CSA, BNPS connector



02	190 series, CSA, API connector	
27	3300 XL NSv , multiple approval	
28	3300 XL 8mm, multiple approval	
30	3300 XL 11mm, multiple approval	
32	3300 XL NSv with connector protector, multiple approval	
34	3300 XL 8mm with connector protector, multiple approval	
36	3300 XL 11mm with connector protector, multiple approval	
B: Probe	Cable Length	
00	Probe cable not required	
05	20 in (0.5 m)	
10	39 in (1.0 m)	
12	12.0 ft (3.6 m)	
18	18.0 ft (3.6 m)	
24	24.0 ft (7.3 m)	
30	24.0 ft (7.3 m)	
36	36.0 ft (10.9 m)	
C: Stand	off Adapter (Option C Dimension)	
15	Minimum length 1.5 in (38 mm)	
75	Maximum length 7.5 in (191 mm)	
	Examples	
	1.5 in (38 mm) = 15 No standoff adapter = 00	
	Recommendation	
	Order in increments of 0.5 in (13 mm)	
D: Probe	Penetration (Option D Dimension)	
010	Minimum length 1.0 in (25.4 mm)	
Other	See 24701/CA24701 Proximity Probe Housing Assembly on page 17.	

Example
3.7 in (94 mm) = 037 22.4 in (569 mm) = 224
Recommendation
Order in increments of 0.1 in (3 mm)



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). For the maximum value of C plus D, see 21000/CA21000 Dimensions on page 1.

E: Fittings		
00	Without fittings	
01	One 3/4-14 NPT explosion-proof fitting One 3/4-14 NPT plug	
02	Two 3/4-14 NPT explosion-proof fittings	



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
04	One 3/4-14 NPT plug only



Although explosion-proof fittings are available for all housings, only CA versions of the housing are rated as explosion-proof by CSA when ordered with the E:00, E:01, E:02, or E:04 options.

For non-explosion-proof housings, if you choose a probe with selectable hazardous area approvals, you must choose a probe with matching approval options.

When ordering a proximitor and an extension cable with the housing, choose a probe with matching approval options.



You can only order probes for CA21000 or CA24701 with multiple approvals. To order CA versions with no probe, select the A:00 option.

F: Mounting Thread		
01	As cast without threads	
	3/4-14 NPT (see note [1] below).	
02	Must be ordered if Standoff Adapter Length Option is not 00.	
03	1-11 1/2 NPT (see note [1] below)	
04	1/2-14 BSP	
05	7/8-14 UNF-2A	



(1) For CA21000 housing, option F must be 02. Options 02 and 03 for mounting threads have more threads than standard NPT threads. They have been machined to have approximately 5 - 7 full threads to increase mounting strength and stiffness.



164818 Compact Proximity Probe Housing

164818-AA-BB-CCC-DD-EE-FF-GG

A: Pro	bbe with Connector
00	
	No probe
01	3300 XL NSv probe
02	3300 XL 8mm probe
03	3300 XL 11mm probe
04	3300 8mm ceramic-capped probe
05	3300 XL NSv probe with multiple approvals
06	3300 XL 8mm probe with multiple approvals
07	3300 XL 11mm probe with multiple approvals
08	3300 8mm Ceramic Capped Probe with multiple approvals
12	3300 XL 8mm probe with connector protector
16	3300 XL 8mm probe with connector protector, multiple approvals
B: Ca	p Height
20	2.0 inches
40	4.0 inches
60	6.0 inches
C: Sleeve Length	
016	Minimum length 1.6 in (40.6 mm)
292	Maximum length 29.2 in (741.7 mm)
	Examples

3.0 in (76.2mm) = **030** 22.4 in (569 mm) = **224**

_		_	- •
Dac	amm	hand	ation
1/66	VIIII	IGIIG	audi

Order in increments of 0.1 in (3 mm)

D: Mo	unting Thread
01	3/4-14 NPT
02	G 3/4 (3/4-14 BSPP)
03	M24 x 1.5
E: O-r	ing Option
01	Viton
02	Neoprene
03	Ethylene propylene
F: Rec	ır Thread Type
01	1/2-14 NPT
02	M16 x 1.5
03	M20 x 1.5
G: Pro	bbe Cable Length
05	0.5 meter (20 in)
10	1.0 meter (39 in)
_	

Accessories

Part Number	Description
37948-01	Probe Support / Oil Seal Recommended for sleeves longer than 305 mm (12 in)

Individual Probe Sleeve for 21000/24701 Proximity Probe Housings 44382-AAA

A: Measured Probe Sleeve Length Recommendation Order in increments of 0.1 in (3 mm)



The individual probe sleeve length does **not** include the distance from the end of the sleeve to the probe tip or the gap from the probe tip to the target material. If only the part number of the original housing is known, and the sleeve cannot be measured, use the following table to determine the sleeve length:

ŭ			
AAA	Description		
Standoff adapter option from original housing (21000, CA21000, 24701, or CA24701 option C) plus	All housing AAA options except NSv and 11mm probes (options other than A:06, A:12, A:26, A:27, A:29, A:30, A:31, A:32, A:35, or A:36)		
Probe penetration option from original	Example		
housing (21000, CA21000, 24701, or CA24701 option D)	Original part number 21000-16-10-15-035-03- 02		
and 045	AAA option for replacement sleeve (015 + 035 + 045) = 095		
Standoff Adapter Option from original housing (21000, CA21000, 24701, or	Housing AAA options for 3300 NSv probe options (A:26, A:27, A:31, or A:32		
CA24701 option C) plus	Example		
Probe penetration option from original housing (21000,	Original part number 24701-31-10-15-090-03- 02		
CA21000, 24701, or CA24701 option D) and 046	AAA option for replacement sleeve (015 + 090+046) = 151		
Standoff Adapter Option from original housing (21000, CA21000, 24701, or CA24701 option C)	Housing AAA options for 3300 XL 11mm probe options (A:29, A:30, A:35, or A:36)		
plus	Example		
Probe penetration option from original housing (21000, CA21000, 24701, or	Original part number CA24701 -36-10-40-053- 02-02		
CA24701 option D) and 037	AAA option for replacement sleeve (040 + 053+037) = 130		

AAA	Description
Standoff Adapter Option from original housing (21000, CA21000, 24701, or CA24701 option C) plus	Housing AAA options for 7200 Series 11mm probe options (A:06 or A:12)
Probe penetration	Example
option from original housing (21000, CA21000, 24701, or	Original part number CA24701 -12-10-30-113-01 -02
CA24701 option D) and 039	AAA option for replacement sleeve (030 + 113+ 039) = 182
Minimum Probe Slee	ve Length
For all probes except NSv and 11mm probes	5.5 in (140 mm) = 055
3300 XL NSv probe	5.5 in (142 mm) = 056
3300 XL 11mm probe	4.7 in (119 mm) = 047
Maximum Probe Slee	eve Length
All 0.5 meter probes except NSv and 11mm probes	18.0 in (457 mm) = 180
3300 XL NSv 0.5 meter probe	18.1 in (460 mm) = 181
7200-series 0.5 meter 11mm probe	15.4 in (391 mm) = 154
All 1.0 meter probes except NSv and 11mm probes	33.7 in (856 mm) = 337
3300 XL NSv 1.0 meter probe	33.8 in (859 mm) = 338
3300 XL 1.0 meter 11mm probe	32.9 in (836 mm) = 329
7200 Series 1.0 meter Ilmm probe	33.1 in (841 mm) = 331



Individual Standoff Adapter 21003-AAA

A: Individual Standoff Adapter		
015		Minimum length 1.5 in (38 mm)
075		Maximum length 7.5 in (191 mm)
Recommendation		Order in increments of 0.5 in (13 mm)
		4.5 in (114 mm) = 045
	lengtl in), or	esired probe penetration ns of less than 25 mm (1.0 der a separate Individual doff Adapter.
Example 1	length the le Stand additi	ffective probe penetration in will then be reduced by ingth of the Individual doff Adapter, plus an ional 13 mm (0.5 in) due to PT thread engagement.

To create a probe penetration length 13 mm (0.5 in), order a 21000 housing with DDD (probe penetration) option of 030 [76 mm (3 in)] and a separate individual standoff adapter that is 51 mm (2.0 in) in length (part number 21003-020).

The standoff adapter covers 38 mm (2.0 in) of the probe sleeve **plus** an additional 13 mm (0.5 in).

Example 2

Therefore, the effective probe penetration length drops to 13 mm (0.5 in).



If you use effective penetration lengths of less than 1.0 inches, signal effects are likely due to probe side view or rear view of metal components.

Spare 3300 XL 8mm Reverse Mount Probe, 3/8-24 UNF threads

330105-02-12-CC-DD-EE

A: Total Length				
05	0.5 meter (1.6 feet)			
10	1.0 meter (3.3 feet)			
15	1.5 meter (4.9 feet)			
20	2.0 meter (6.6 feet)			
50	5.0 meter (16.4 feet)			
90	9.0 meter (29.5 feet)			
B: Connec	etor			
00	Connector not installed			
02	Miniature ClickLoc coaxial connector			



Agency Approval			
00 Not required			
05	Multiple approvals		

Spare 3300 NSv Reverse Mount Probe, 3/8-24 UNF threads

330906-02-12-CC-DD-EE

C: Total Length			
05	0.5 meter (1.6 feet)		
10	1.0 meter (3.3 feet)		
50	5.0 meter (16.4 feet)		
70	7.0 meter (23.0 feet)		
D: Connector			
00	Connector not installed		
02	Miniature ClickLoc coaxial connector		
E: Agency Approval			
00	Not required		
05	Multiple approvals		

Spare 3300 XL 11mm Reverse Mount Probe, 3/8-24 UNF threads

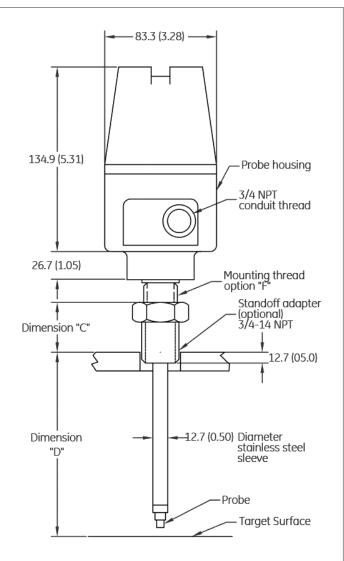
330705-02-18-CC-DD-EE

C: Total Length			
0.5 meter (1.6 feet)			
5.0 meter (16.4 feet)			
90 9.0 meter (29.5 feet)			
D: Connector			

00	Without connector			
02	With miniature male coaxial connector			
E: Agency Approval				
00	Not required			
05	Multiple approvals			



Graphs and Figures

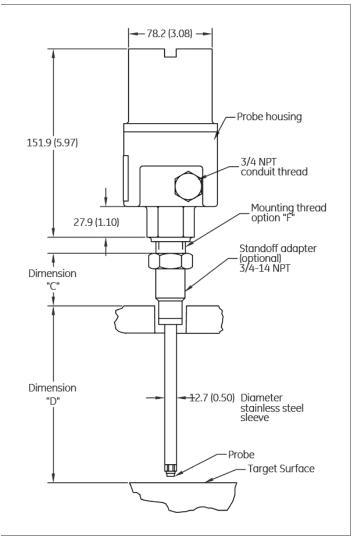


Probe Cable Length	Maximum (C) + (D) with visible probe (P/N and S/N)	Maximum (C) + (D) Dimension
12 in	Not visible	5.0 in (12.7 cm)
18 in	4.0 in (10.1 cm)	10.5 in (26.6 cm)
24 in	9.7 in (24.6 cm)	16.1 in (40.9 cm)
30 in	15.4 in (39.1 cm)	21.7 in (51.1 cmm)
36 in	21.1 in (53.6 cm)	27.3 in (69.3 cm)
0.5 m	Not visible	13.5 in (34.3 cm)
1.0 m	17.0 in (43.18 cm)	32.9 in (83.5 cm)

Figure 1: 21000/CA21000 Proximity Probe Housing Assembly

Dimensions are in millimeters (inches).





24701/CA24701 Dimensions

Probe Cable Length	Maximum (C) + (D) with visible probe (P/N and S/N)	Maximum (C) + (D) Dimension
12 in	Not visible	5.0 in (12.7 mm)
18 in 4.0 in (10.1 cm)		10.5 in (26.6 mm)
24 in	9.7 in (24.6 cm) 16.1 in (40.9 i	
30 in	15.4 in (39.1 mm)	21.7 in (51.1 mm)
36 in	21.1 in (53.6 mm)	27.3 in (69.3 mm)
0.5 m	Not visible	13.5 in (34.3 mm)
1.0 m	17.0 in (43.18 mm)	29.2 in (74.2 mm)

Figure 2: 24701/CA24701 Proximity Probe Housing Assembly

Dimensions are in millimeters (inches).



Tables

Table 1: For Figure 1, Dimensions in mm (inches).

Catalog Number	Dimension			
	A	В	C and D	E
21000	83.3 (3.28)	161.6 (6.36)	See Ordering Option C & D	26.7 (1.05)
24701	78.2 (3.08)	151.9 (5.97)	See Ordering Option C & D	27.9 (1.10)

Table 2: Maximum Length of C and D Dimension for Proximity Probes

Probe Cable Length	Maximum C and D Dimension
0.5 meter (3300 Series)	343 mm (13.5 in)
1.0 meter	742 mm (29.2 in)

Table 3: Maximum C and Dimension with Standard P/N and S/N Label (non-flag label)

Probe Cable Length	Maximum C and D Dimension
0.5 meter	Not visible
1.0 meter	432 mm (17 m)



Copyright 2023 Baker Hughes Company. All rights reserved.



Bently Nevada, M2, Proximitor and Orbit Logo are registered trademarks of Bently Nevada, a Baker Hughes business, in the United States and other countries. The Baker Hughes logo is a trademark of Baker Hughes Company. All other product and company names are trademarks of their respective holders. Use of the trademarks does not imply any affiliation with or endorsement by the respective holders.

Baker Hughes provides this information on an "as is" basis for general information purposes. Baker Hughes does not make any representation as to the accuracy or completeness of the information and makes no warranties of any kind, specific, implied or oral, to the fullest extent permissible by law, including those of merchantability and fitness for a particular purpose or use. Baker Hughes hereby disclaims any and all liability for any direct, indirect, consequential or special damages, claims for lost profits, or third party claims arising from the use of the information, whether a claim is asserted in contract, tort, or otherwise. Baker Hughes reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your Baker Hughes representative for the most current information.

The information contained in this document is the property of Baker Hughes and its affiliates; and is subject to change without prior notice. It is being supplied as a service to our customers and may not be altered or its content repackaged without the express written consent of Baker Hughes. This product or associated products may be covered by one or more patents. See Bently.com/legal.

1631 Bently Parkway South, Minden, Nevada USA 89423 Phone: 1.775.782.3611 (US) or Bently.com/support Bently.com

