

INDUSTRIAL AUTOMATION PRODUCT

21000-15-10-00-166-03-02

21000 proximity probe housing assembly

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	21000 Proximity Probe Housing Assembly
Part number	21000-15-10-00-166-03-02
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Housing model	21000
Probe configuration	Legacy configured probe code
Probe cable length	1.0 m (39 in)
Standoff adapter	None
Probe penetration	16.6 in (422 mm)
Fittings	One 3/4-14 NPT plug; one 3/4-to-1/2 NPT reducer; cable-seal grip and grommets
Mounting thread	3/4-14 NPT
Housing material	Aluminum
Probe sleeve material	304 stainless steel
Enclosure type	Type 4

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Configured reverse-mount Bently Nevada probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	Machine-case threaded boss
Primary system function	Provides external access for probe adjustment
Controlled acceptance duty	Bearing-housing radial vibration

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System Role and Architecture

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

FUNCTION 1

Provides external access for probe adjustment

FUNCTION 2

Uses a 3/4-14 NPT machine mounting thread

FUNCTION 3

Sets the documented probe penetration to 16.6 in (422 mm)

FUNCTION 4

Protects the probe lead inside a stainless-steel sleeve

Matched system components

- Configured reverse-mount Bently Nevada probe
- 304 stainless-steel probe sleeve
- Machine-case threaded boss
- Selected cable seal, reducer and conduit hardware

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Configured reverse-mount Bently Nevada probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	Machine-case threaded boss
Primary system function	Provides external access for probe adjustment
Controlled acceptance duty	Bearing-housing radial vibration

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Applications and Engineering Context

Bearing-housing radial vibration

Provides external access for probe adjustment

Thrust-position probe installation

Uses a 3/4-14 NPT machine mounting thread

Machine-case probe retrofit

Sets the documented probe penetration to 16.6 in (422 mm)

Accessible proximity-probe maintenance

Protects the probe lead inside a stainless-steel sleeve

TECHNICAL NOTE

Confirm the complete 21000-15-10-00-166-03-02 marking and installed legacy probe code, 3/4-14 NPT mounting, 16.6 in (422 mm) penetration and fitting arrangement. The current housing manual requires additional sleeve support when penetration exceeds 12 in.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	21000-15-10-00-166-03-02 / 21000-15-10-00-166-03-02 recorded
Physical interface	Configured reverse-mount Bently Nevada probe
Companion check	304 stainless-steel probe sleeve
Functional proof	Provides external access for probe adjustment
Application test	Bearing-housing radial vibration

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Engineering Precautions

1

Verify the complete 21000-15-10-00-166-03-02 code, housing position and installed probe marking before work.

2

Place the monitored machine and protection channel in the approved maintenance state.

3

Confirm the 3/4-14 NPT machine-case thread and preserve the housing orientation.

4

Record probe gap, sleeve position, cable route, reducer and gland arrangement before removal.

5

Protect the probe tip, sleeve bore, O-rings and sealing surfaces from damage or contamination.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330880-16-00-039-03-02	Related Bently Nevada product	View 330880-16-00-039-03-02 page
21000-16-10-00-077-03-02	Related Bently Nevada product	View 21000-16-10-00-077-03-02 page
129716-173-037-15-05	Related Bently Nevada product	View 129716-173-037-15-05 page
330851-02-000-060-10-01-05	Related Bently Nevada product	View 330851-02-000-060-10-01-05 page
74712-03-10-02-00	Related Bently Nevada product	View 74712-03-10-02-00 page
350610-00-05	Related Bently Nevada product	View 350610-00-05 page
330194-15-25-50-05	Related Bently Nevada product	View 330194-15-25-50-05 page
330194-05-13-50-05	Related Bently Nevada product	View 330194-05-13-50-05 page

MANUFACTURER SOURCE RECORD

Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet

141600 Rev. AC

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