

INDUSTRIAL AUTOMATION PRODUCT

21000-16-10-15-114-03-02

21000 Aluminum Proximity Probe Housing Assembly

Bently Nevada 21000-16-10-15-114-03-02 is a 21000 aluminum external proximity-probe housing configured with a 3300 XL 8 mm probe, 1.0 m probe cable, 1.5 in standoff adapter and 11.4 in penetration option. It supports pro

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
Part number	21000-16-10-15-114-03-02
Product role	Provides an external protective enclosure for the proximity probe
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Mount 21000-16-10-15-114-03-02 through the documented 3/4-14 NPT machine-case connection and preserve the 1.5 in standoff and 11.4 in probe-penetration setting. Support the sleeve when required, route and seal the 1.0 m lead,

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Complete order number	21000-16-10-15-114-03-02	Probe penetration option	11.4 in
Housing series	21000	Fittings option	One 3/4-14 NPT plug; 3/4-14 to 1/2-14 NPT reducer; cable seal grip
Housing body	Aluminum	Mounting thread	3/4-14 NPT
Probe sleeve	304 stainless steel	Adjustment range	±0.5 in
Installed probe option	3300 XL 8 mm probe	Probe operating and storage temperature	-51 to +177 °C
Probe cable length	1.0 m	Enclosure	CSA Type 4
Standoff adapter	1.5 in		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
Primary system role	Provides an external protective enclosure for the proximity probe
Connection boundary	Mount 21000-16-10-15-114-03-02 through the documented 3/4-14 NPT machine-case connection and preserve the 1.5 in standoff and 11.4 in probe-penetration setting. Support the sleeve when required, route and seal the 1.0 m lead,
Controlled acceptance duty	Bearing-case proximity probe mounting

ENGINEERING BOUNDARY

Confirm 21000-16-10-15-114-03-02, 21000 aluminum housing, 3300 XL 8 mm probe option, 1.0 m cable, 1.5 in standoff, 11.4 in penetration, 3/4-14 NPT mounting thread, fitting set, sleeve support, O-rings, conduit sealing, target clearance, grounding, monitor configuration, static gap and

Pre-Installation Checks

1	Confirm the full 21000-16-10-15-114-03-02 marking and the 114 penetration code.	2	Place the monitored machine and associated protection channel in the approved maintenance state.
3	Isolate connected circuits and use ESD controls while handling the probe lead and connector.	4	Inspect the aluminum body, dome cover, O-rings, stainless-steel sleeve and thread seal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	21000-16-10-15-114-03-02
Installed host	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 21000-16-10-15-114-03-02 is a 21000 aluminum external proximity-probe housing configured with a 3300 XL 8 mm probe, 1.0 m probe cable, 1.5 in standoff adapter and 11.4 in penetration option. It supports pro

FUNCTION 1

Provides an external protective enclosure for the proximity probe

FUNCTION 2

Allows controlled adjustment of the installed probe position

FUNCTION 3

Routes the probe lead through a sealed conduit interface

FUNCTION 4

Supports API 670-style externally mounted probe arrangements

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
2	21000
3	Bearing-case proximity probe mounting
4	Mount 21000-16-10-15-114-03-02 through the documented 3/4-14 NPT machine-case connection and preserve the 1.5 in standoff and 11.4 in probe-penetration setting. Support the sleeve when required, route and seal the 1.0 m lead,

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
Interface role	Provides an external protective enclosure for the proximity probe
Field / power context	The assembly mounts externally to the machine case through the selected 3/4-14 NPT thread. Its aluminum body, stainless-steel sleeve, standoff adapter, adjustable penetration and conduit fittings protect the probe installation; co
Commissioning evidence	Seal the conduit, restore the signal loop and prove polarity, response and alarm action before release.

Installation and Connection Checks

1 Verify the 3/4-14 NPT mounting thread, standoff adapter and conduit fitting arrangement.

2 Support long sleeves as required and keep the probe lead longer than the installed sleeve.

3 Set the 3300 XL 8 mm probe gap while maintaining shaft and target clearances.

4 Seal the conduit, restore the signal loop and prove polarity, response and alarm action before release.

MANUFACTURER SOURCE RECORD

21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet
Baker Hughes document 141600 Rev. AC

Applications and Engineering Context

Bearing-case proximity probe mounting

Supports extended bearing-housing access for relative shaft measurement.

External radial-vibration sensing

Houses the probe and protects its lead at a documented radial location.

Axial-position probe access

Provides an adjustable external mounting path where the approved machine design requires it.

Probe replacement without case entry

Allows the sleeve and probe arrangement to be serviced from outside the machine case.

TECHNICAL NOTE

Mount 21000-16-10-15-114-03-02 through the documented 3/4-14 NPT machine-case connection and preserve the 1.5 in standoff and 11.4 in probe-penetration setting. Support the sleeve when required, route and seal the 1.0 m lead,

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	21000-16-10-15-114-03-02 recorded
Host / carrier	Bently Nevada 21000 / 24701 Proximity Probe Housing Assemblies
Physical interface	Provides an external protective enclosure for the proximity probe
Configuration	Set the 3300 XL 8 mm probe gap while maintaining shaft and target clearances.
Functional proof	Seal the conduit, restore the signal loop and prove polarity, response and alarm action before release.

IMPORTANT NOTICE

Confirm 21000-16-10-15-114-03-02, 21000 aluminum housing, 3300 XL 8 mm probe option, 1.0 m cable, 1.5 in standoff, 11.4 in penetration, 3/4-14 NPT mounting thread, fitting set, sleeve support, O-rings, conduit sealing, target clearance, grounding, monitor configuration, static gap and

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	21000-16-10-15-114-03-02
Approved role	Bearing-case proximity probe mounting
Final validation	Seal the conduit, restore the signal loop and prove polarity, response and alarm action before release.

Engineering Precautions

- 1

Confirm the full 21000-16-10-15-114-03-02 marking and the 114 penetration code.
- 2

Place the monitored machine and associated protection channel in the approved maintenance state.
- 3

Isolate connected circuits and use ESD controls while handling the probe lead and connector.
- 4

Inspect the aluminum body, dome cover, O-rings, stainless-steel sleeve and thread seal.
- 5

Verify the 3/4-14 NPT mounting thread, standoff adapter and conduit fitting arrangement.
- 6

Support long sleeves as required and keep the probe lead longer than the installed sleeve.
- 7

Set the 3300 XL 8 mm probe gap while maintaining shaft and target clearances.
- 8

Seal the conduit, restore the signal loop and prove polarity, response and alarm action before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
21000-16-10-15-102-03-02	aluminum probe housing	View 21000-16-10-15-102-03-02 page
21000-16-10-15-144-03-02	aluminum probe housing	View 21000-16-10-15-144-03-02 page
24701-34-05-00-041-03-02	stainless-steel probe housing	View 24701-34-05-00-041-03-02 page
31000-27-05-15-040-03-02	probe housing assembly	View 31000-27-05-15-040-03-02 page
330103-00-04-10-02-00	matching XL 8 mm probe	View 330103-00-04-10-02-00 page
330104-00-12-10-02-00	armored XL 8 mm probe	View 330104-00-12-10-02-00 page
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitor sensor	View 330180-50-00 page

MANUFACTURER SOURCE RECORD

21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet
Baker Hughes document 141600 Rev. AC

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