Bently Nevada 21000-16-10-06-065-04-02

Apter Power complete product information

Bently Nevada 21000-16-10-06-065-04-02 is a 21000 aluminum body proximity probe housing assembly configured with a 3300 XL 8 mm probe and 1.0 m probe lead.

01 / Product role

This aluminum body housing gives external access to a reverse-mounted proximity probe at a machine casing.

Parameter	Selected configuration
Assembly family	21000 proximity probe housing
Housing construction	aluminum body
Probe selection	3300 XL 8 mm probe
Probe lead	1.0 m

Installed-system context

Context	Verified use
Machine-case context	The 21000-16-10-06-065-04-02 housing positions a proximity probe through the machinery case for an externally accessible sensing point.
Compatibility boundary	Use the selected 3300 XL 8 mm probe, 1.0 m lead and 3/4-14 NPT mounting thread only with a verified machine opening and compatible transducer chain.

02 / Exact ordered configuration

Parameter	Selected configuration
Assembly family	21000 proximity probe housing
Housing construction	aluminum body
Probe selection	3300 XL 8 mm probe
Probe lead	1.0 m
Standoff option	C06; dimension to be confirmed
Penetration option	6.5 in probe penetration
C plus D selection	C06 dimension plus 6.5 in penetration; confirm total reach
Conduit fittings	one 3/4-14 NPT plug
Mounting option	3/4-14 NPT mounting thread
Sleeve material	304 stainless steel
Probe mounting	reverse mount

Option relationship

The 16 probe option selects 3300 XL 8 mm probe; option 10 supplies a 1.0 m lead. Match the probe and extension cable to the installed 3300 XL 8 mm transducer system before assigning measurement performance.

C06 is the standoff selection on the complete marking; confirm its actual dimension on the offered assembly and machine drawing. Option 065 specifies 6.5 in probe penetration. Establish the final probe gap from the machine drawing and matched transducer procedure.

Technical reference: Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies, 141600 Rev. AC.

03 / Applications and compatibility

Documented uses

Use	Engineering context
Radial measurement	Position the probe at a documented radial vibration or position location on the machine casing.
Gap access	Use the external housing access to adjust the installed probe gap without dismantling the machine.
Conduit connection	Route field conduit through the 04 fitting arrangement and seal unused ports.
Sleeve positioning	Confirm the C06 standoff dimension and the resulting C plus D reach before locating sleeve support and the target surface.

Option 04 identifies one 3/4-14 NPT plug; option 02 identifies 3/4-14 NPT mounting thread. The conduit entry, sealing arrangement and case interface must match these selected pieces.

Technical questions

Question	Engineering answer
What housing construction does 21000-16-10-06-065-04-02 use?	The 21000 assembly uses an aluminum body housing; match its body and sleeve to the installed machine environment.
Which probe option is selected on 21000-16-10-06-065-04-02?	Code 16 selects 3300 XL 8 mm probe; the probe is a component of the housing assembly.
How long is the probe lead specified for 21000-16-10-06-065-04-02?	Code 10 selects 1.0 m of probe cable. Check the remaining transducer-system length with the installed extension cable and Proximitor sensor.

04 / Installation precautions

Check	Action
Isolation	Apply the site isolation procedure before opening the machine probe housing.
Mechanical fit	Check the 3/4-14 NPT mounting thread against the machined case opening before assembly.
Sleeve support	Support a selected C plus D length above 12 in to limit sleeve resonance.
Probe clearance	Check side-view and rear-view clearance at the chosen penetration and case geometry.
Sealing	Inspect the housing seals, conduit entries and probe pressure boundary before service.
Commissioning	Set and verify the probe gap with the matched transducer components and machine stopped as required.

Technical notes

Topic	Explanation
Installation relationship	Confirm the C06 standoff dimension, then add the 6.5 in penetration to establish the selected reach and installed position.
Protection	Approval of a hazardous-area installation depends on the complete housing and transducer arrangement; do not infer it from a fitting alone.

Technical questions

Question	Engineering answer
How does 21000-16-10-06-065-04-02 establish its standoff position?	C06 is the selected standoff code. Confirm its physical length on the offered assembly and installation drawing before setting the probe position.
What penetration is encoded in 21000-16-10-06-065-04-02?	Option 065 denotes 6.5 in probe penetration. Add the confirmed C06 standoff length to determine the total C plus D reach.
Which conduit pieces are associated with 21000-16-10-06-065-04-02?	Option 04 selects one 3/4-14 NPT plug. Confirm that the offered hardware corresponds to the complete assembly.

05 / Supply and service reference

Question	Engineering answer
What mounting interface is selected for 21000-16-10-06-065-04-02?	Code 02 specifies 3/4-14 NPT mounting thread; do not substitute a different thread or sleeve arrangement.
When does the sleeve of 21000-16-10-06-065-04-02 need additional support?	The manufacturer calls for support when C plus D exceeds 12 in. Confirm the C06 dimension, calculate the total reach with D065, and assess sleeve support against the machine layout.

Available unit

Bently Nevada 21000-16-10-06-065-04-02; Condition: New, original product. Confirm the housing body, reverse-mounted probe, sleeve, seals and the 04 fitting set in the quotation.

Related product references

Related product	Selection note
Bently Nevada 330880-00-00-000-03-02	Separate catalogue reference
Bently Nevada 330880-16-00-021-03-02	Separate catalogue reference
Bently Nevada 21504-000-040-10-02	Separate catalogue reference
Bently Nevada 330101-00-10-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-20-10-02-00	Separate catalogue reference
Bently Nevada 21000-16-05-00-105-03-02	Separate catalogue reference
Bently Nevada 31000-16-10-15-040-03-02	Separate catalogue reference
Bently Nevada 31000-16-05-00-033-03-02	Separate catalogue reference

Technical reference: Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies, 141600 Rev. AC.