01 / Identity and job scope

BENTLY NEVADA

330104-00-16-10-02-00

Proximity Probe

Product role

Bently Nevada 330104-00-16-10-02-00 is an armored 3300 XL 8 mm proximity probe with an M10 x 1 threaded case and a standard ClickLoc cable connection.

Target
Conductive machine surface

>

Probe
Armored 330104 sensing element

>

System
Matched Proximitor and monitor

Applicability

The 330104 ordering definition applies to 330104-00-16-10-02-00. Measurement performance belongs to the complete matched probe, cable and Proximitor sensor system.

Hardware and configuration

The metric 330104 armored probe design uses an M10 x 1 threaded case and a miniature coaxial ClickLoc connector with standard cable. Approval option 00 selects no agency approval. Retain the entire ordered geometry code when comparing the probe to the machine drawing.

Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Item	Configuration relationship
Product type	3300 XL 8 mm proximity probe
Case thread	M10 x 1
Armor	Included in 330104 design
Connector	02: Miniature coaxial ClickLoc
Cable type	Standard cable
Agency approval option	00: Not required
Measurement function	Static position and dynamic vibration through a matched system

Technical context

The 3300 XL 8 mm system produces a voltage related to the distance between the probe tip and the observed conductive surface. It supports static position and dynamic vibration measurements, including shaft observation in fluid-film-bearing machines. The probe is one component of that measurement chain; match the Proximitor sensor and total cable configuration before applying system sensitivity or linear-range values.

What do the 00 and 16 length options mean on 330104-00-16-10-02-00?

Retain the ordered unthreaded and overall case-length selections and verify them against the machine drawing.

What does the 10 option specify for 330104-00-16-10-02-00?

Retain the ordered probe cable selection and match the complete electrical system configuration.

03 / Installation and connection decisions

Match the mounting thread

Confirm the M10 x 1 machine thread and usable case engagement before mounting.

Keep the electrical chain matched

Verify total cable configuration and Proximitor sensor selection before connecting the monitoring channel.

Set the operating gap

Establish the gap on the actual target and verify the chain response before normal service.

Respect cable selection

This reference has standard cable; do not assume FluidLoc sealing or extended-temperature performance.

Installation context

The probe construction uses TipLoc attachment of the tip and CableLoc attachment of the cable. The ClickLoc connection locks by hand and resists loosening without a separate locking tool. Keep the standard-cable selection distinct from FluidLoc and extended-temperature variants, and establish the installed gap with the actual target and complete transducer chain before releasing the channel.

Which connector and cable are selected for 330104-00-16-10-02-00?

Option 02 selects a miniature coaxial ClickLoc connector and standard cable. It is distinct from the FluidLoc and connector-protector selections.

Does 330104-00-16-10-02-00 include hazardous-area approval?

The final 00 is the no-agency-approval selection. Do not claim an approval based on another probe variant or a system certificate.

04 / Functional acceptance planning

Application	Controlled review
Radial shaft vibration	Observe shaft movement with a matched transducer system on a suitable fluid-film-bearing machine. Keep the sensing target and installed gap within the applicable system conditions.
Axial position measurement	Use a suitable conductive target and the correct probe orientation for axial position. Establish the reference gap using the complete matched measurement chain.
Speed and phase reference	A suitable target feature and supporting monitoring equipment allow speed or Keyphasor-related sensing. Confirm target geometry and the intended channel function.
Armored probe routing	Protect the probe cable at the machine with the selected armored construction. Route and secure the connection without imposing installation loads on the sensing tip.

Can 330104-00-16-10-02-00 be used for static and dynamic measurement?

The matched 3300 XL 8 mm system supports static position and dynamic vibration measurements. The sensing target, gap and system components must suit the intended measurement.

Why must the target and gap be checked when installing 330104-00-16-10-02-00?

The probe observes a conductive surface through a complete calibrated system. Target characteristics and the installed gap affect the usable measurement, so verify the chain response on the intended machine target.

Release boundary

Final option 00 does not establish hazardous-area approval. Use only an arrangement approved for the installation.

Record
Keep the original configuration

>

Test
Observe controlled response

>

Release
Authorize normal operation

05 / Technical handover and support

Retained information

Keep the complete 330104-00-16-10-02-00 marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm current support and replacement guidance with Bently Nevada for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

Reference basis

Bently Nevada 3300 XL 8 mm Proximity Transducer System, 141194 Rev. AN.

Apter Power technical summary. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Bently Nevada 330104-01-09-50-01-05

Bently Nevada 330104-01-09-90-01-05

Bently Nevada 330102-00-30-10-01-05

Discuss your installed configuration

Send the full unit marking and connection details.

sales13@apterpower.com | +86 18030235313