01 / Product and system dashboard

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

Engineering scope

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.

02 / Verified identity and technical relationships

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

Configuration boundary

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.

03 / Applications and system integration

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.

Functional 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.

04 / Service and installation 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.

Protect the connector

Keep the ClickLoc joint clean, correctly engaged and protected from installation damage.

Verify approval scope

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

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete 330104-00-16-10-02-00 identity. Apter Power availability is confirmed separately in the quotation.

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 330105-02-12-10-12-05

Bently Nevada 330180-X0-05

Bently Nevada 330130-080-01-00

Discuss your installed configuration

Send the full unit marking and connection details.

sales13@apterpower.com | +86 18030235313