

APTER POWER

COMPLETE PRODUCT INFORMATION

330708-00-10-90-02-00

3300 XL 11 mm Proximity Probe

Bently Nevada 330708-00-10-90-02-00 is an armored 3300 XL 11 mm proximity probe. It measures shaft position or vibration over the extended linear range of a matched transducer system.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 11 mm Proximity Transducer System

PART

330708-00-10-90-02-00

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PRODUCT OVERVIEW

Bently Nevada 330708-00-10-90-02-00 is an armored 3300 XL 11 mm proximity probe. It measures shaft position or vibration over the extended linear range of a matched transducer system.

1

Provides an extended linear range for large displacement measurements

2

Senses shaft position without mechanical contact

3

Carries the probe signal through a long armored integral lead

4

Operates as the sensing element of a matched 11 mm transducer system

SYSTEM COMPONENTS

3300 XL 11 mm Proximitior Sensor

matched extension cable

compatible monitor channel

approved steel target

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL proximity probe	Open product page
200150-09-CN	General-purpose accelerometer	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Probe body thread	5/8-18 UNF
Mechanical protection	Flexible stainless-steel armor
Unthreaded length	0.0 in
Overall case length	1.0 in
Integral lead length	9.0 m
Connector execution	ClickLoc without protector
Linear range	4.0 mm

PARAMETER	VALUE
Recommended gap	2.5 mm
Scale factor	3.94 V/mm +/-10%
Frequency response	0 to 8 kHz, +0/-3 dB
Probe DC resistance	8.5 +/-1.1 Ohm
Maximum field wiring	305 m
Extension cable capacitance	69.9 pF/m typical

TECHNICAL NOTE

Install the 5/8-18 UNF probe to the documented reach, protect the 9 m armored lead, match the Proximitor system length, and verify static gap and scale factor before enabling alarms.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Reciprocating-compressor rod position

Provides an extended linear range for large displacement measurements

Large-range axial displacement

Senses shaft position without mechanical contact

Thrust-position monitoring

Carries the probe signal through a long armored integral lead

Shaft-vibration measurement

Operates as the sensing element of a matched 11 mm transducer system

PRODUCT PRECAUTIONS

- 1 Verify the complete 330708-00-10-90-02-00 code and 1.0-inch case.
- 2 Place the machine and monitor channel in maintenance state.
- 3 Protect the 11 mm probe tip and 5/8-18 UNF thread.
- 4 Support the 9 m armored lead without sharp bends or tensile load.
- 5 Keep the ClickLoc connection clean and properly seated.
- 6 Match probe, extension cable, and Proximitor Sensor to the engineered length.
- 7 Set the 2.5 mm recommended gap on the specified target.
- 8 Prove polarity, scale factor, and alarm response before release.

ENGINEER FAQ

Q1 What commissioning evidence should be retained for 330708-00-10-90-02-00?

Retain the full 330708-00-10-90-02-00 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.

Q3 How should the field connections for 330708-00-10-90-02-00 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 330708-00-10-90-02-00.

Q5 Which configuration check is essential when commissioning 330708-00-10-90-02-00?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q7 What should be checked if 330708-00-10-90-02-00 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q2 Which installed hardware must be matched before fitting 330708-00-10-90-02-00?

Match the complete 330708-00-10-90-02-00 marking to 3300 XL 11 mm Proximity Sensor and matched extension cable, then confirm the assigned 3300 XL 11 mm Proximity Transducer System position and approved system configuration.

Q4 What isolation is required before installing 330708-00-10-90-02-00?

Place reciprocating-compressor rod position in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.

Q6 How can an engineer function-test 330708-00-10-90-02-00 after installation?

Apply a controlled input, reference, or limited output appropriate to 3300 xl 11 mm proximity probe, observe the system indication and diagnostics, and confirm the intended process response.

Q8 Can 330708-00-10-90-02-00 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.