APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 11 mm Proximity Transducer System
Part number	330708-00-10-90-02-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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2 Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL 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
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

3 System Role and Architecture

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.

FUNCTION 1

Provides an extended linear range for large displacement measurements

FUNCTION 2

Senses shaft position without mechanical contact

FUNCTION 3

Carries the probe signal through a long armored integral lead

FUNCTION 4

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

Matched system components

- 3300 XL 11 mm Proximitor Sensor
- matched extension cable
- compatible monitor channel
- approved steel target

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL 11 mm Proximitor Sensor
Companion hardware	matched extension cable
Field connection	compatible monitor channel
Primary system function	Provides an extended linear range for large displacement measurements
Controlled acceptance duty	Reciprocating-compressor rod position

4 Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330708-00-10-90-02-00 / 330708-00-10-90-02-00 recorded
Physical interface	3300 XL 11 mm Proximitor Sensor
Companion check	matched extension cable
Functional proof	Provides an extended linear range for large displacement measurements
Application test	Reciprocating-compressor rod position

5 Engineering 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.

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**

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet

146256 Rev. T

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