APTER■POWER

INDUSTRIAL AUTOMATION PRODUCT

330876-02-10-00-00

3300 XL 50 mm Proximity Probe

Bently Nevada 330876-02-10-00-00 is an M14 x 1.5 3300 XL 50 mm proximity probe. It measures large shaft or structural displacement through a matched 50 mm transducer system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 50 mm Proximity Transducer System
Part number	330876-02-10-00-00
Country	USA
HS code	8537101190

PRODUCT TECHNICAL REFERENCE

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

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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	M14 x 1.5
Integral lead length	1.0 m
Cable execution	High-temperature FluidLoc without armor
Agency approval option	None
Nominal target material	AISI 4140 steel

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3300 XL 50 mm Proximitor Sensor
Companion hardware	matched extension cable
Field connection	compatible displacement monitor
Primary system function	Measures very large static or dynamic displacement without contact
Controlled acceptance duty	Large-range shaft position

3 System Role and Architecture

Bently Nevada 330876-02-10-00-00 is an M14 x 1.5 3300 XL 50 mm proximity probe. It measures large shaft or structural displacement through a matched 50 mm transducer system.

FUNCTION 1

Measures very large static or dynamic displacement without contact

FUNCTION 2

Forms the probe element of a matched 50 mm transducer system

FUNCTION 3

Uses high-temperature FluidLoc cable at the probe connection

FUNCTION 4

Provides the displacement signal to a compatible monitoring channel

Matched system components

- 3300 XL 50 mm Proximitor Sensor
- matched extension cable
- compatible displacement monitor
- AISI 4140 target

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL 50 mm Proximitor Sensor
Companion hardware	matched extension cable
Field connection	compatible displacement monitor
Primary system function	Measures very large static or dynamic displacement without contact
Controlled acceptance duty	Large-range shaft position

4 Applications and Engineering Context

Large-range shaft position

Measures very large static or dynamic displacement without contact

Turbine differential expansion

Forms the probe element of a matched 50 mm transducer system

Structural displacement monitoring

Uses high-temperature FluidLoc cable at the probe connection

Large-clearance thrust-position measurement

Provides the displacement signal to a compatible monitoring channel

TECHNICAL NOTE

Use the complete 50 mm matched transducer set, maintain the specified target geometry, route the 1 m FluidLoc lead within its temperature limits, and verify scale and gap over the required range.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330876-02-10-00-00 / 330876-02-10-00-00 recorded
Physical interface	3300 XL 50 mm Proximitor Sensor
Companion check	matched extension cable
Functional proof	Measures very large static or dynamic displacement without contact
Application test	Large-range shaft position

5 Engineering Precautions

1. Verify 330876-02-10-00-00 and the M14 x 1.5 mounting execution.
2. Secure the machine and place the displacement channel in maintenance state.
3. Protect the large probe tip and mounting thread from impact.
4. Confirm target material, area, and travel cover the engineered measurement range.
5. Route the high-temperature FluidLoc lead away from abrasion and tensile load.

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 50 mm Proximity Transducer System Datasheet

174014

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