

INDUSTRIAL AUTOMATION PRODUCT

330703-000-060-10-02-00

3300 XL 11 mm metric proximity probe

It is a one-metre M14 x 1.5 eddy-current probe for long-range shaft-position and vibration measurements in a matched 3300 XL 11 mm system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 11 mm Proximity Transducer System
Part number	330703-000-060-10-02-00
Country	USA
HS code	8537101190

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Part number	330703-000-060-10-02-00
Probe thread	M14 x 1.5
Cable armor	None
Unthreaded length	0 mm
Overall case length	60 mm
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included
Agency approval option	00
Probe resistance	5.9 +/- 0.5 ohm
Probe tip material	PPS
Probe case material	AISI 304 stainless steel
Cable impedance	75 ohm triaxial
Minimum bend radius	25.4 mm (1.0 in)
Recommended case torque	21.1 N m (187 in lbf)

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System Role and Architecture

It is a one-metre M14 x 1.5 eddy-current probe for long-range shaft-position and vibration measurements in a matched 3300 XL 11 mm system.

FUNCTION 1

Uses a 60 mm metric threaded case

FUNCTION 2

Provides the 11 mm system sensing element

FUNCTION 3

Carries the signal through a one-metre FEP lead

FUNCTION 4

Supports the system's extended displacement range

Matched system components

- five-metre 3300 XL 11 mm Proximator Sensor
- four-metre 330730 extension cable
- AISI 4140 steel target
- compatible displacement monitor

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	five-metre 3300 XL 11 mm Proximator Sensor
Companion hardware	four-metre 330730 extension cable
Field connection	AISI 4140 steel target
Primary system function	Uses a 60 mm metric threaded case
Controlled acceptance duty	Axial shaft-position monitoring

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Applications and Engineering Context

Axial shaft-position monitoring

Uses a 60 mm metric threaded case

Differential-expansion measurement

Provides the 11 mm system sensing element

Large-shaft radial vibration

Carries the signal through a one-metre FEP lead

Steam-turbine casing expansion systems

Supports the system's extended displacement range

TECHNICAL NOTE

Confirm the M14 x 1.5 mounting thread, 60 mm case clearance and five-metre system combination; apply the documented case torque, protect the ClickLoc connector and validate the extended linear measurement before service.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330703-000-060-10-02-00 / 330703-000-060-10-02-00 recorded
Physical interface	five-metre 3300 XL 11 mm Proximitor Sensor
Companion check	four-metre 330730 extension cable
Functional proof	Uses a 60 mm metric threaded case
Application test	Axial shaft-position monitoring

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Engineering Precautions

1

Verify the complete 330703-000-060-10-02-00 marking and its documented 3300 XL 11 mm Proximity Transducer System position before field work.

2

Place the monitored machine and associated protection channel in the approved maintenance state before disconnecting 3300 XL 11 mm metric proximity probe.

3

Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330703-000-060-10-02-00 is open.

4

Record probe, extension-cable and Proximitior Sensor identities so the calibrated system length is preserved.

5

Route 330703-000-060-10-02-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330780-90-05	Related Bently Nevada product	View 330780-90-05 page
330130-085-10-00	Related Bently Nevada product	View 330130-085-10-00 page
330103-00-16-05-11-05	Related Bently Nevada product	View 330103-00-16-05-11-05 page
330103-00-16-05-02-05	Related Bently Nevada product	View 330103-00-16-05-02-05 page
330101-02-60-05-01-05	Related Bently Nevada product	View 330101-02-60-05-01-05 page
21000-28-05-00-030-04-02	Related Bently Nevada product	View 21000-28-05-00-030-04-02 page
330101-00-18-10-02-05	Related Bently Nevada product	View 330101-00-18-10-02-05 page
146054-34-20-02-05	Related Bently Nevada product	View 146054-34-20-02-05 page

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet

146256 Rev. T

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