

INDUSTRIAL AUTOMATION PRODUCT

330703-000-050-10-02-00

3300 XL 11 mm metric proximity probe

It is a compact 50 mm case probe for non-contacting displacement and vibration sensing in a matched 3300 XL 11 mm loop.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 11 mm Proximity Transducer System
Part number	330703-000-050-10-02-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Part number	330703-000-050-10-02-00
Probe thread	M14 x 1.5
Cable armor	None
Unthreaded length	0 mm
Overall case length	50 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 compact 50 mm case probe for non-contacting displacement and vibration sensing in a matched 3300 XL 11 mm loop.

FUNCTION 1

Fits a 50 mm overall case envelope

FUNCTION 2

Uses an M14 x 1.5 mounting thread

FUNCTION 3

Connects through a one-metre standard lead

FUNCTION 4

Provides long-range eddy-current measurement

Matched system components

- five-metre 3300 XL 11 mm Proximator Sensor
- four-metre 330730 extension cable
- threaded probe mounting bracket
- compatible position or vibration 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	threaded probe mounting bracket
Primary system function	Fits a 50 mm overall case envelope
Controlled acceptance duty	Tight-clearance axial position loops

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Applications and Engineering Context

Tight-clearance axial position loops

Fits a 50 mm overall case envelope

Differential-expansion channels

Uses an M14 x 1.5 mounting thread

Large-journal vibration monitoring

Connects through a one-metre standard lead

Turbine proximity-loop modernization

Provides long-range eddy-current measurement

TECHNICAL NOTE

Check the 50 mm case envelope and thread engagement before installation, secure the probe without twisting its lead, complete the five-metre matched loop and confirm the required static gap and monitor polarity.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330703-000-050-10-02-00 / 330703-000-050-10-02-00 recorded
Physical interface	five-metre 3300 XL 11 mm Proximitor Sensor
Companion check	four-metre 330730 extension cable
Functional proof	Fits a 50 mm overall case envelope
Application test	Tight-clearance axial position loops

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Engineering Precautions

1

Verify the complete 330703-000-050-10-02-00 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 330703-000-050-10-02-00 is open.

4

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

5

Route 330703-000-050-10-02-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
146056-38-10-02-02-05	Related Bently Nevada product	View 146056-38-10-02-02-05 page
146054-36-05-01-05	Related Bently Nevada product	View 146054-36-05-01-05 page
146054-12-05-01-05	Related Bently Nevada product	View 146054-12-05-01-05 page
31000-30-05-15-049-01-02	Related Bently Nevada product	View 31000-30-05-15-049-01-02 page
330101-00-10-10-01-05	Related Bently Nevada product	View 330101-00-10-10-01-05 page
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330102-00-75-10-01-05	Related Bently Nevada product	View 330102-00-75-10-01-05 page
330102-00-70-10-01-05	Related Bently Nevada product	View 330102-00-70-10-01-05 page

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet

146256 Rev. T

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