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.

PRODUCT SNAPSHOT

BRAND Bently Nevada	**FAMILY** 3300 XL 11 mm Proximity Transducer System
PART 330703-000-050-10-02-00	**ORIGIN / HS** USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE
+86 180 3023 5313

EMAIL
sales13@apterpower.com

WEBSITE
www.apterpower.com

PRODUCT OVERVIEW

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

1. Fits a 50 mm overall case envelope
2. Uses an M14 x 1.5 mounting thread
3. Connects through a one-metre standard lead
4. Provides long-range eddy-current measurement

SYSTEM COMPONENTS

- five-metre 3300 XL 11 mm Proximitor Sensor
- four-metre 330730 extension cable
- threaded probe mounting bracket
- compatible position or vibration monitor

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.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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)

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
130539-34	Related Bently Nevada product	View 130539-34 page
102044-00-18-10-02-00	Related Bently Nevada product	View 102044-00-18-10-02-00 page
330180-X1-05-MOD-145347-05	Related Bently Nevada product	View 330180-X1-05-MOD-145347-05 page
146054-034-20-02-05	Related Bently Nevada product	View 146054-034-20-02-05 page
330171-XX-XX-10-02-05-MO...	Related Bently Nevada product	View 330171-XX-XX-10-02-05-MO... page
330877-80-36-00	Related Bently Nevada product	View 330877-80-36-00 page
330878-X0-00-MOD-177889-01	Related Bently Nevada product	View 330878-X0-00-MOD-177889-01 page
330851-04-00-27-10-01-00	Related Bently Nevada product	View 330851-04-00-27-10-01-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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 Proximitor 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.
6. Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
7. Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
8. Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.

ENGINEER FAQ

Q1 Does 330703-000-050-10-02-00 match five-metre 3300 XL 11 mm Proximitor Sensor in a Tight-clearance axial position loops installation?

Verify the complete 330703-000-050-10-02-00 marking, the documented 3300 XL 11 mm Proximity Transducer System position and the installed five-metre 3300 XL 11 mm Proximitor Sensor before fitting the assembly.

Q2 How should 330703-000-050-10-02-00 be wired when it must fits a 50 mm overall case envelope?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330703-000-050-10-02-00; then continuity-test the affected path.

Q3 Which 3300 XL 11 mm Proximity Transducer System records should be captured before removing 330703-000-050-10-02-00?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330703-000-050-10-02-00 before disconnection.

Q4 What controlled test confirms that 330703-000-050-10-02-00 can uses an m14 x 1.5 mounting thread?

Apply the approved field or simulated stimulus, observe the 3300 XL 11 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which four-metre 330730 extension cable condition should be checked when 330703-000-050-10-02-00 reports an abnormal state?

Check the four-metre 330730 extension cable supply, seating and connection first, then compare channel diagnostics with the recorded 330703-000-050-10-02-00 baseline.

Q6 Can 330703-000-050-10-02-00 be moved directly into Differential-expansion channels without validating compatible position or vibration monitor?

No. Confirm the compatible position or vibration monitor, revision, connection scheme and 3300 XL 11 mm Proximity Transducer System configuration before transferring 330703-000-050-10-02-00 to that duty.

Q7 What maintenance evidence is required after 330703-000-050-10-02-00 is used for Large-journal vibration monitoring?

Retain the nameplate record, corrective action, final diagnostics and a controlled large-journal vibration monitoring functional-test result for 330703-000-050-10-02-00.

Q8 How should 330703-000-050-10-02-00 be returned to service in Turbine proximity-loop modernization?

Restore power under control, verify connects through a one-metre standard lead, exercise the intended signal path and release 330703-000-050-10-02-00 only after the 3300 XL 11 mm Proximity Transducer System remains in its approved operating state.

SOURCE 3300 XL 11 mm Proximity Transducer System Datasheet | 146256 Rev. T

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com