

APTER POWER

COMPLETE PRODUCT INFORMATION

330103-00-16-10-12-CN

3300 XL 8 mm metric FluidLoc proximity probe

It is a one-metre M10 x 1 probe that converts shaft clearance changes into an eddy-current signal for a matched 3300 XL 8 mm system.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330103-00-16-10-12-CN

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 one-metre M10 x 1 probe that converts shaft clearance changes into an eddy-current signal for a matched 3300 XL 8 mm system.

1

Uses a 160 mm threaded case

2

Includes a one-metre FluidLoc probe lead

3

Installs without external armor

4

Measures both static position and dynamic vibration

SYSTEM COMPONENTS

one-metre 3300 XL Proximito Sensor

M10 x 1 mounting bracket

AISI 4140 steel target

compatible machinery-protection channel

TECHNICAL NOTE

Verify the complete suffix on the physical marking, provide sufficient 160 mm case clearance, keep the FluidLoc lead above its bend limit, and prove polarity and linear response after setting the static gap.

TECHNICAL DATA

PARAMETER	VALUE
Part number	330103-00-16-10-12-CN
Probe thread	M10 x 1
Cable armor	None
Unthreaded length	0 mm
Overall case length	160 mm
Total probe length	1.0 m
Cable type	FluidLoc
Connector	Miniature coaxial ClickLoc
Connector protector	Not included
Probe tip material	Polyphenylene sulfide (PPS)

PARAMETER	VALUE
Probe case material	AISI 303 or 304 stainless steel
Cable impedance	75 ohm triaxial
Cable insulation	FEP
Minimum cable bend radius	25.4 mm (1.0 in)
Maximum probe-to-lead tensile strength	330 N (75 lbf)
Maximum lead-to-extension tensile strength	270 N (60 lbf)
Connector material	Gold-plated brass or beryllium copper
Recommended connector torque	Finger tight
Maximum connector torque	0.565 N m (5 in lbf)
Standard probe temperature	-52 to +177 degC

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330881-16-10-100-03-02	Related Bently Nevada product	View 330881-16-10-100-03-02 page
330171-00-08-10-01-05	Related Bently Nevada product	View 330171-00-08-10-01-05 page
330172-00-08-10-01-05	Related Bently Nevada product	View 330172-00-08-10-01-05 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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Confined radial-bearing installations

Uses a 160 mm threaded case

Axial thrust-position sensing

Includes a one-metre FluidLoc probe lead

Machine shaft centerline trending

Installs without external armor

Speed and phase-reference measurement

Measures both static position and dynamic vibration

PRODUCT PRECAUTIONS

- 1 Verify the complete 330103-00-16-10-12-CN marking and its documented 3300 XL 8 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 8 mm metric FluidLoc proximity probe.
- 3 Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330103-00-16-10-12-CN is open.
- 4 Record probe, extension-cable and Proximity Sensor identities so the calibrated system length is preserved.
- 5 Route 330103-00-16-10-12-CN 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 330103-00-16-10-12-CN match one-metre 3300 XL Proximity Sensor in a Confined radial-bearing installations installation?

Verify the complete 330103-00-16-10-12-CN marking, the documented 3300 XL 8 mm Proximity Transducer System position and the installed one-metre 3300 XL Proximity Sensor before fitting the assembly.

Q3 Which 3300 XL 8 mm Proximity Transducer System records should be captured before removing 330103-00-16-10-12-CN?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330103-00-16-10-12-CN before disconnection.

Q5 Which M10 x 1 mounting bracket condition should be checked when 330103-00-16-10-12-CN reports an abnormal state?

Check the M10 x 1 mounting bracket supply, seating and connection first, then compare channel diagnostics with the recorded 330103-00-16-10-12-CN baseline.

Q7 What maintenance evidence is required after 330103-00-16-10-12-CN is used for Machine shaft centerline trending?

Retain the nameplate record, corrective action, final diagnostics and a controlled machine shaft centerline trending functional-test result for 330103-00-16-10-12-CN.

Q2 How should 330103-00-16-10-12-CN be wired when it must uses a 160 mm threaded case?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330103-00-16-10-12-CN; then continuity-test the affected path.

Q4 What controlled test confirms that 330103-00-16-10-12-CN can includes a one-metre fluidloc probe lead?

Apply the approved field or simulated stimulus, observe the 3300 XL 8 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330103-00-16-10-12-CN be moved directly into Axial thrust-position sensing without validating compatible machinery-protection channel?

No. Confirm the compatible machinery-protection channel, revision, connection scheme and 3300 XL 8 mm Proximity Transducer System configuration before transferring 330103-00-16-10-12-CN to that duty.

Q8 How should 330103-00-16-10-12-CN be returned to service in Speed and phase-reference measurement?

Restore power under control, verify installs without external armor, exercise the intended signal path and release 330103-00-16-10-12-CN only after the 3300 XL 8 mm Proximity Transducer System remains in its approved operating state.

SOURCE 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AM

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