

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 8 mm Proximity Transducer System
Part number	330103-00-16-10-12-CN
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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



2

Technical Specifications

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

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

PUBLISHED REFERENCE CONDITIONS

CONDITION	VALUE
-----------	-------

3

System Role and Architecture

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.

FUNCTION 1

Uses a 160 mm threaded case

FUNCTION 2

Includes a one-metre FluidLoc probe lead

FUNCTION 3

Installs without external armor

FUNCTION 4

Measures both static position and dynamic vibration

Matched system components

- one-metre 3300 XL Proximitior Sensor
- M10 x 1 mounting bracket
- AISI 4140 steel target
- compatible machinery-protection channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	one-metre 3300 XL Proximitior Sensor
Companion hardware	M10 x 1 mounting bracket
Field connection	AISI 4140 steel target
Primary system function	Uses a 160 mm threaded case
Controlled acceptance duty	Confined radial-bearing installations

4

Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330103-00-16-10-12-CN / 330103-00-16-10-12-CN recorded
Physical interface	one-metre 3300 XL Proximitior Sensor
Companion check	M10 x 1 mounting bracket
Functional proof	Uses a 160 mm threaded case
Application test	Confined radial-bearing installations

5

Engineering 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 Proximitor 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500-45-176449-04	Related Bently Nevada product	View 3500-45-176449-04 page
330106-05-30-05-02-00	Related Bently Nevada product	View 330106-05-30-05-02-00 page
330171-00-12-05-01-05	Related Bently Nevada product	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	Related Bently Nevada product	View 330171-00-33-50-01-05 page
330171-00-12-50-01-05	Related Bently Nevada product	View 330171-00-12-50-01-05 page
86691-02150-0400-15-05	Related Bently Nevada product	View 86691-02150-0400-15-05 page
330780-90-05-837097	Related Bently Nevada product	View 330780-90-05-837097 page
102045-040-01-05	Related Bently Nevada product	View 102045-040-01-05 page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet

141194 Rev. AM

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

