

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

330103-00-16-10-12-CN

3300 XL 8 mm metric FluidLoc proximity probe

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330103-00-16-10-12-CN
Manufacturer part	330103-00-16-10-12-CN
Hardware type	330103-00-16-10-12-CN
System family	3300 XL 8 mm Proximity Transducer System



APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

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

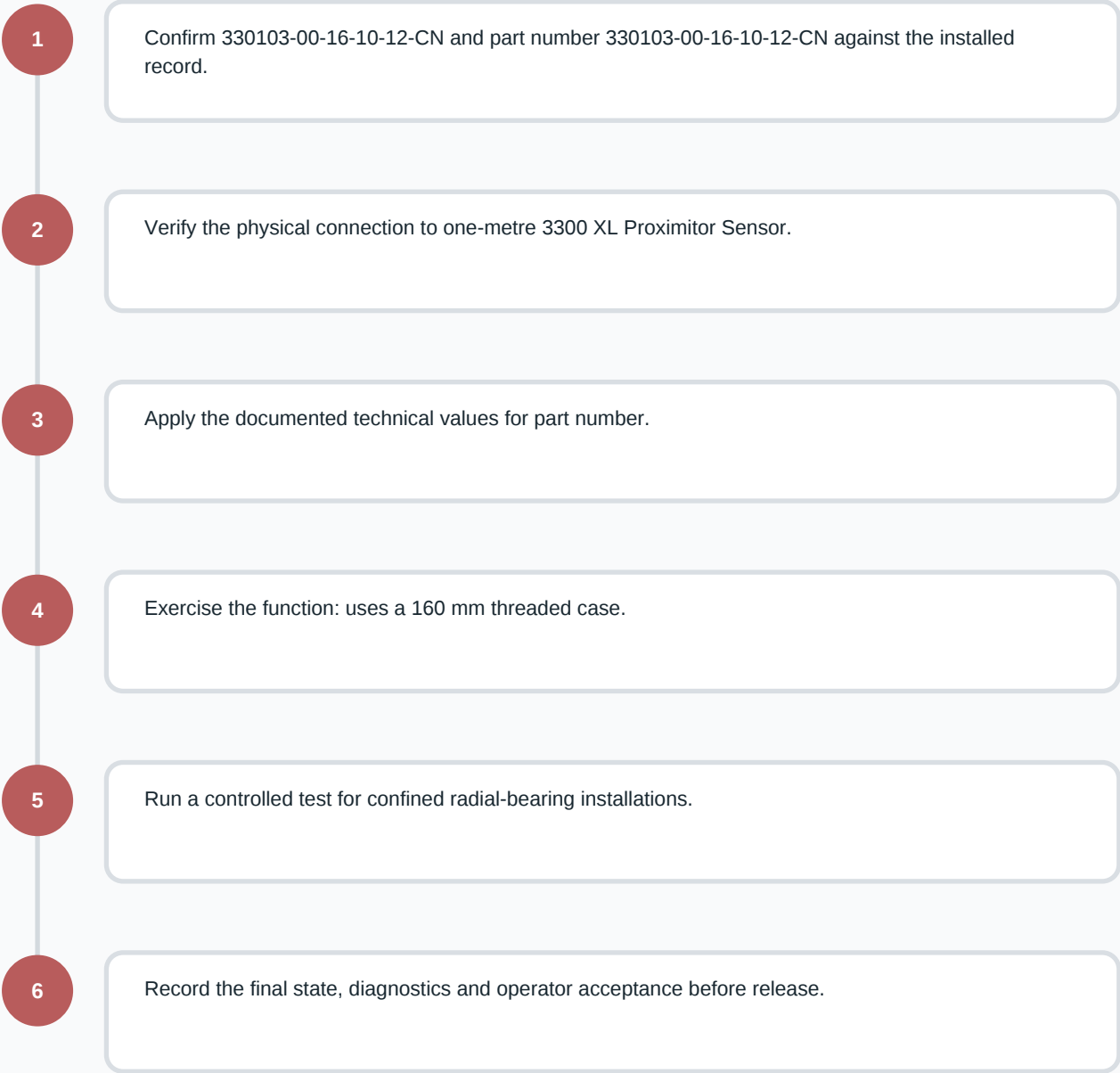
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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)
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)

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

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

VERIFICATION RECORD

PRODUCT IDENTITY	330103-00-16-10-12-CN
INSTALLED POSITION	Documented 3300 XL 8 mm Proximity Transducer System position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
200150-06-CN	Related Bently Nevada product	View 200150-06-CN page
200151-40-03-00	Related Bently Nevada product	View 200151-40-03-00 page
200150-02-CN	Related Bently Nevada product	View 200150-02-CN page
200155-02-CN	Related Bently Nevada product	View 200155-02-CN page
200152-XX-XX-XX-MOD-3233 ...	Related Bently Nevada product	View 200152-XX-XX-XX-MOD-3233... page
200155-00-CN	Related Bently Nevada product	View 200155-00-CN page
330101-00-44-15-02-CN	Related Bently Nevada product	View 330101-00-44-15-02-CN page
144181-51-05	Related Bently Nevada product	View 144181-51-05 page

SOURCE IDENTIFIERS

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

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