

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

330104-00-04-50-02-00

3300 XL 8 mm metric armored proximity probe

CONTROLLED ENGINEERING COPY

Confirm the M10 x 1 bracket thread and 40 mm case clearance, do not exceed the documented thread engagement, protect the armored lead from side load, and set the probe gap only after the matched system is assembled.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330104-00-04-50-02-00
Manufacturer part	330104-00-04-50-02-00
Hardware type	330104-00-04-50-02-00
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 330104-00-04-50-02-00 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 armored proximity probe.
- 3

Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330104-00-04-50-02-00 is open.
- 4

Record probe, extension-cable and Proximitor Sensor identities so the calibrated system length is preserved.
- 5

Route 330104-00-04-50-02-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.

MATCHED HARDWARE

- 3300 XL 8 mm Proximitor Sensor
- compatible 3300 XL extension cable when required
- AISI 4140 steel target
- Bently Nevada monitor channel

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330104-00-04-50-02-00 / 330104-00-04-50-02-00 recorded
Physical interface	3300 XL 8 mm Proximitor Sensor
Companion check	compatible 3300 XL extension cable when required
Functional proof	Uses an armored five-metre probe lead
Application test	Radial shaft-vibration measurement

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	330104-00-04-50-02-00
Probe thread	M10 x 1
Cable armor	Stainless steel with FEP jacket
Unthreaded length	0 mm
Overall case length	40 mm
Total probe length	5.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included
Agency approval option	00
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

Confirm the M10 x 1 bracket thread and 40 mm case clearance, do not exceed the documented thread engagement, protect the armored lead from side load, and set the probe gap only after the matched system is assembled.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330104-00-04-50-02-00 / 330104-00-04-50-02-00 recorded
Physical interface	3300 XL 8 mm Proximitior Sensor
Companion check	compatible 3300 XL extension cable when required
Functional proof	Uses an armored five-metre probe lead
Application test	Radial shaft-vibration measurement

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	330104-00-04-50-02-00
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
330104-10-15-10-01-05	Related Bently Nevada product	View 330104-10-15-10-01-05 page
330104-08-13-10-01-05	Related Bently Nevada product	View 330104-08-13-10-01-05 page
330101-00-16-05-11-05	Related Bently Nevada product	View 330101-00-16-05-11-05 page
330105-02-12-90-12-00	Related Bently Nevada product	View 330105-02-12-90-12-00 page
24701-34-05-00-041-03-02	Related Bently Nevada product	View 24701-34-05-00-041-03-02 page
84661-34	Related Bently Nevada product	View 84661-34 page
190501-10-00-00	Related Bently Nevada product	View 190501-10-00-00 page
200150-09-CN	Related Bently Nevada product	View 200150-09-CN page

SOURCE IDENTIFIERS

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

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