

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

330103-05-10-10-12-05

Proximity Probe

CONTROLLED ENGINEERING COPY

Preserve the M10 x 1 mounting, 100 mm case identity, 1.0 m lead, connector option, target material, system length and approved response when replacing 330103-05-10-10-12-05.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330103-05-10-10-12-05
Manufacturer part	330103-05-10-10-12-05
Hardware type	3300 XL 8 mm
System family	3300 XL 8 mm Proximity Transducer System



APTER POWER SALES TEAM

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



01 PRE-INSTALLATION PLAN

- 1

Verify the complete 330103-05-10-10-12-05 marking and its assigned 3300 XL 8 mm Proximity Transducer System position before work.
- 2

Place the connected radial shaft vibration process in the approved maintenance state.
- 3

Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.
- 4

Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.
- 5

Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.

MATCHED HARDWARE

- matched 3300 XL 8 mm extension cable
- compatible 3300 XL Proximity Sensor
- approved target surface
- configured monitor channel

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330103-05-10-10-12-05 / 330103-05-10-10-12-05 recorded
Physical interface	matched 3300 XL 8 mm extension cable
Companion check	compatible 3300 XL Proximity Sensor
Functional proof	Uses the 3300 XL 8 mm transducer architecture
Application test	Radial shaft vibration



02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
probe family	3300 XL 8 mm
mounting thread	M10 x 1
cable protection	Unarmored
unthreaded length code	50 mm
overall case-length code	100 mm
total probe-lead length	1.0 m
connector and cable option	miniature ClickLoc coaxial connector with FluidLoc cable
agency-approval option	CSA, ATEX and IECEx
linear measurement range	2.0 mm (80 mils)
incremental scale factor	7.87 V/mm (200 mV/mil)
frequency response	0 to 10 kHz, +0/-3 dB
recommended gap	approximately 1.27 mm (50 mils) at -9 V DC

FIELD NOTE

Preserve the M10 x 1 mounting, 100 mm case identity, 1.0 m lead, connector option, target material, system length and approved response when replacing 330103-05-10-10-12-05.



03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330103-05-10-10-12-05 / 330103-05-10-10-12-05 recorded
Physical interface	matched 3300 XL 8 mm extension cable
Companion check	compatible 3300 XL Proximity Sensor
Functional proof	Uses the 3300 XL 8 mm transducer architecture
Application test	Radial shaft vibration

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm the installed matched 3300 XL 8 mm extension cable and compatible 3300 XL Proximity Sensor against the approved project record.
- ☐ Restore power in a controlled sequence and review transducer, monitor and host diagnostics.
- ☐ Prove the intended axial position monitoring function and retain the final controlled acceptance result.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY

330103-05-10-10-12-05

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 BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Bently Nevada 330101 00 40 05 02 00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 30 10 02 05	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 30 10 02 00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 20 05 02 00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 16 10 02 00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 12 10 02 00	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 08 10 02 05	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 08 10 02 00	Bently Nevada monitoring product	Open Bently Nevada page
ABB 3BHE022293R0101 PCD232A	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330101 00 08 05 02 00	Bently Nevada monitoring product	Open Bently Nevada page

SOURCE IDENTIFIERS

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

