

330101-00-20-50-02-05

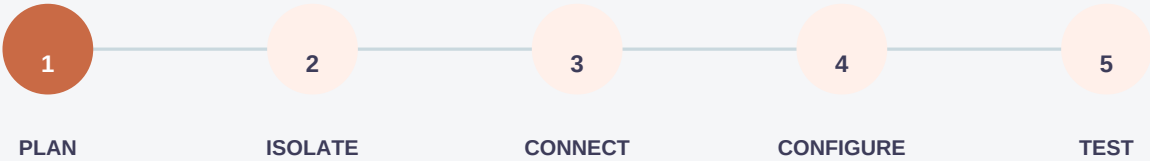
3300 XL 8 mm Proximity Probe

CONTROLLED ENGINEERING COPY

Bently Nevada 330101-00-20-50-02-05 is an unarmored 3300 XL 8 mm proximity probe with a 3/8-24 UNF case and 5.0 m standard cable. Its matched system measures non-contacting shaft vibration or position.

PRE-INSTALLATION MATCH	DOCUMENTED VALUE
Base model	330101
Mounting thread	3/8-24 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	2.0 in

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330101-00-20-50-02-05
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 330101-00-20-50-02-05 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.
- 5

Verify all manufacturer-documented mechanical and electrical values for this exact execution.

MATCHED HARDWARE

- 330101-00-20-50-02-05 with complete article identity
- Matched Bently Nevada host or transducer-loop component
- Documented field interfaces and cable route
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330101-00-20-50-02-05 recorded
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Base model	330101
Mounting thread	3/8-24 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	5.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included
Cable	Standard cable
Approval option	CSA, ATEX and IECEx
Matched system length	5 m
System linear range	2.0 mm
Incremental scale factor	7.87 V/mm

RELATED PRODUCT PAGES

- 1

Bently Nevada 330130-045-01-05
- 2

Bently Nevada 330173-00-05-10-12-00
- 3

Bently Nevada 330851-000-070-10-00-05
- 4

Bently Nevada 330851-02-000-030-10-00-00
- 5

Bently Nevada 330851-02-000-050-10-00-05
- 6

Bently Nevada 330851-02-000-060-10-00-00
- 7

Bently Nevada 330851-04-000-015-10-01-05
- 8

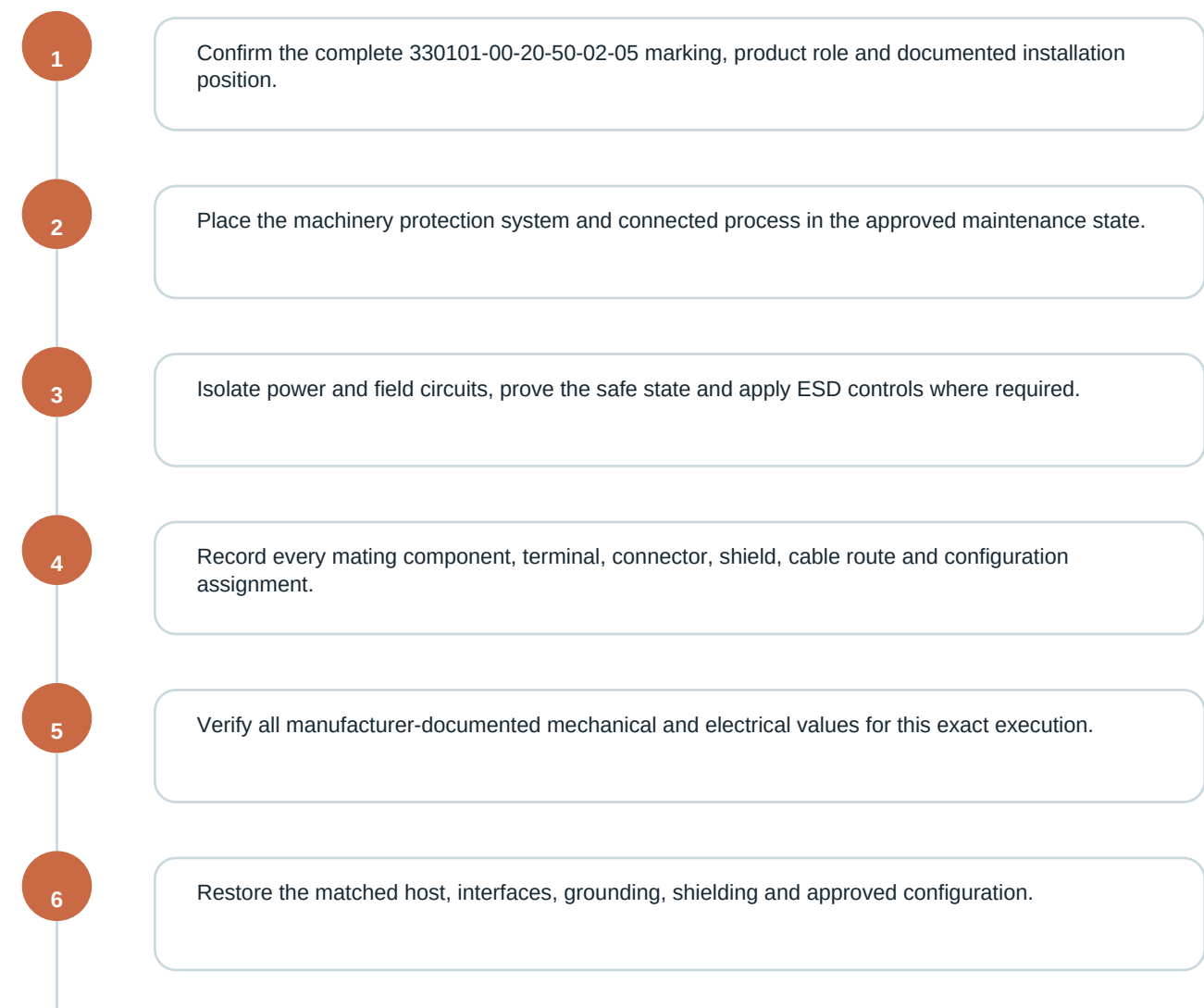
Bently Nevada 330851-04-000-020-10-01-00
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Bently Nevada 330101-00-08-05-02-05

FIELD NOTE

Confirm 330101-00-20-50-02-05, its matched Bently Nevada 3300 XL 8 mm Proximity Transducer System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



FINAL MODEL CHECK	DOCUMENTED VALUE
Incremental scale factor	7.87 V/mm
Recommended gap	1.27 mm
Minimum cable bend radius	25.4 mm

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330101-00-20-50-02-05
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system

04 RETURN-TO-SERVICE RECORD

- ☐ Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- ☐ Restore the matched host, interfaces, grounding, shielding and approved configuration.
- ☐ Energize under control and review rack, channel or transducer-loop diagnostics.
- ☐ Complete a controlled functional test of non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	330101-00-20-50-02-05
INSTALLED POSITION	Documented Bently Nevada rack or transducer-loop position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- ☐ Restore the matched host, interfaces, grounding, shielding and approved configuration.
- ☐ Energize under control and review rack, channel or transducer-loop diagnostics.
- ☐ Complete a controlled functional test of non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system before service release.

SOURCE IDENTIFIERS

3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN | Baker Hughes / Bently Nevada manufacturer datasheet