

330173-00-04-10-02-00

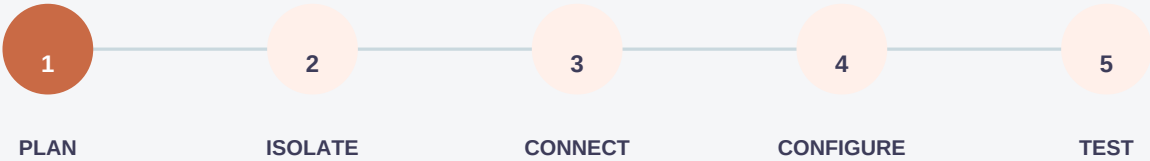
3300 5 mm Proximity Probe

CONTROLLED ENGINEERING COPY

Bently Nevada 330173-00-04-10-02-00 is an unarmored M8 x 1 proximity probe with a 40 mm case and 1.0 m standard cable. It is used with a matched extension cable and Proximitor Sensor.

PRE-INSTALLATION MATCH	DOCUMENTED VALUE
Base model	330173
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm
Overall case length	40 mm

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330173-00-04-10-02-00
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 5 mm Transducer System
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 330173-00-04-10-02-00 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

- 330173-00-04-10-02-00 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	330173-00-04-10-02-00 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 vibration or position measurement with a matched 5 mm probe system

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Base model	330173
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm
Overall case length	40 mm
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included
Probe tip diameter	5.2 mm
System linear range	2.0 mm
Recommended gap	1.27 mm
Incremental scale factor	7.87 V/mm
System frequency response	0 to 10 kHz

RELATED PRODUCT PAGES

1

Bently Nevada

330101-00-35-10-01-05

2

Bently Nevada

330104-06-14-10-02-00

3

Bently Nevada

330101-00-12-10-02-05

4

Bently Nevada

330101-00-39-10-02-05

5

Bently Nevada

330130-040-10-00

6

Bently Nevada

330101-04-30-05-01-05

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Bently Nevada

330101-00-16-05-02-00

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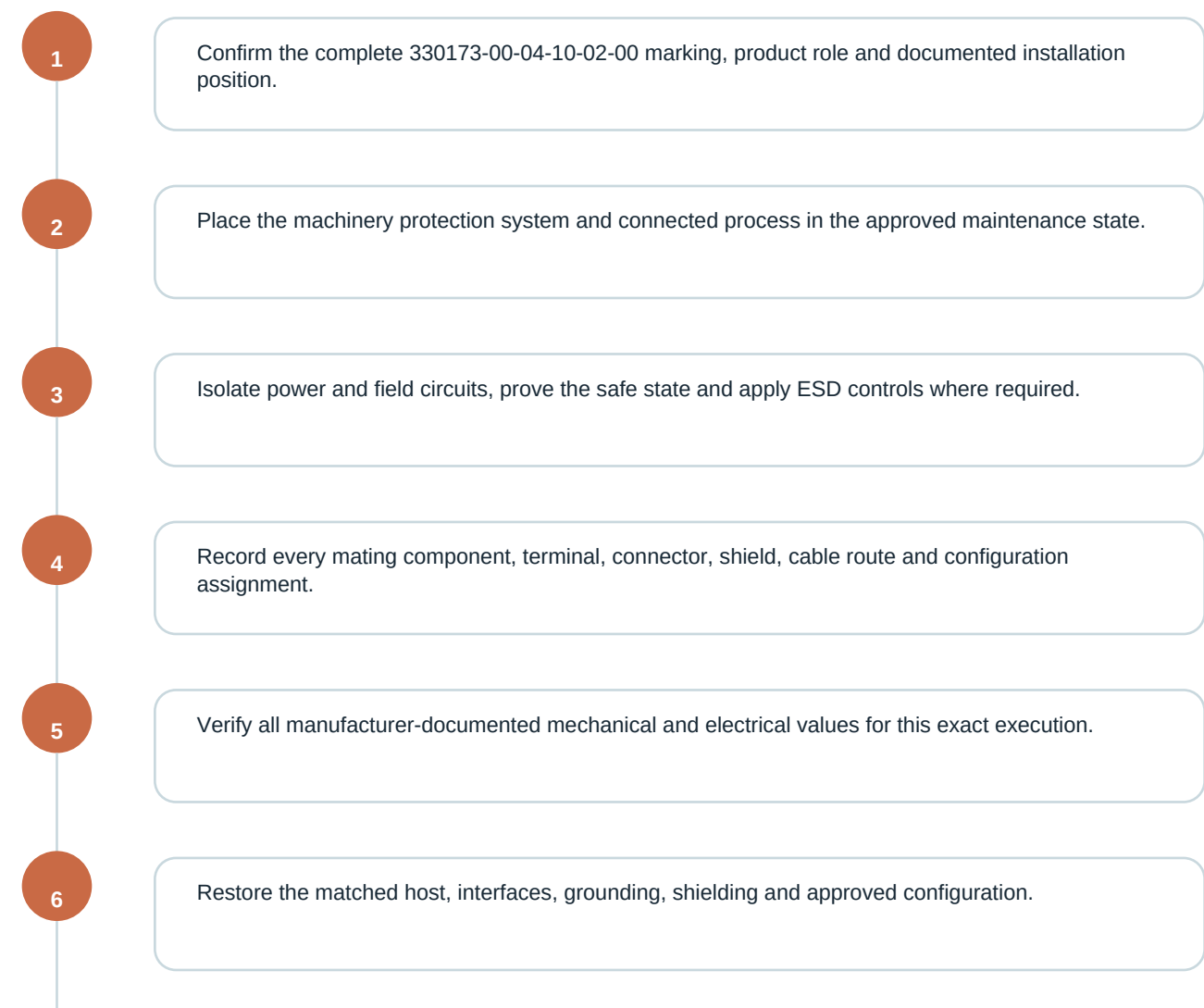
Bently Nevada

330103-00-22-50-12-05

FIELD NOTE

Confirm 330173-00-04-10-02-00, its matched Bently Nevada 3300 5 mm 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
System frequency response	0 to 10 kHz
1 m probe DC resistance	7.59 +/- 0.50 ohm
Minimum flat target diameter	15.2 mm

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330173-00-04-10-02-00
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 vibration or position measurement with a matched 5 mm probe 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 vibration or position measurement with a matched 5 mm probe system before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	330173-00-04-10-02-00
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 vibration or position measurement with a matched 5 mm probe system before service release.

SOURCE IDENTIFIERS

3300 5 mm Transducer System Datasheet 172036 Rev. T | Baker Hughes / Bently Nevada manufacturer datasheet