

330707-00-20-10-02-00

3300 XL 11 mm 5/8-18 UNF Proximity Probe

CONTROLLED ENGINEERING COPY

Bently Nevada 330707-00-20-10-02-00 is an unarmored 5/8-18 UNF 3300 XL 11 mm proximity probe with a 2.0-inch case and 1.0 m standard cable. It is used in a matched transducer system for non-contacting vibration and position measurement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330707-00-20-10-02-00
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 11 mm Proximity Transducer System
Record scope	Installation, application and verification

1

2

3

4

5

PLAN

ISOLATE

CONNECT

CONFIGURE

TEST

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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 330707-00-20-10-02-00 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

- 330707-00-20-10-02-00 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	330707-00-20-10-02-00 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 radial vibration, axial position or phase-reference measurement

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Probe model	330707
Mounting thread	5/8-18 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	1.0 m (3.3 ft)
Connector and cable	Miniature coaxial ClickLoc; standard cable; no connector protector
Agency approval option	Not required
System linear range	4.0 mm (160 mil)
Recommended gap	2.5 mm (100 mil)
Incremental scale factor	3.94 V/mm (100 mV/mil)
Frequency response	0 to 8 kHz typical
Recommended case torque	15.2 N m (133 in-lb)

RELATED PRODUCT PAGES

- 1

Bently Nevada 10030-05-30-05-02
- 2

Bently Nevada 3500-92-136180-01
- 3

Bently Nevada 133323-01
- 4

Bently Nevada 16710-33
- 5

Bently Nevada 16710-13
- 6

Bently Nevada 16710-50
- 7

Bently Nevada 16925-20
- 8

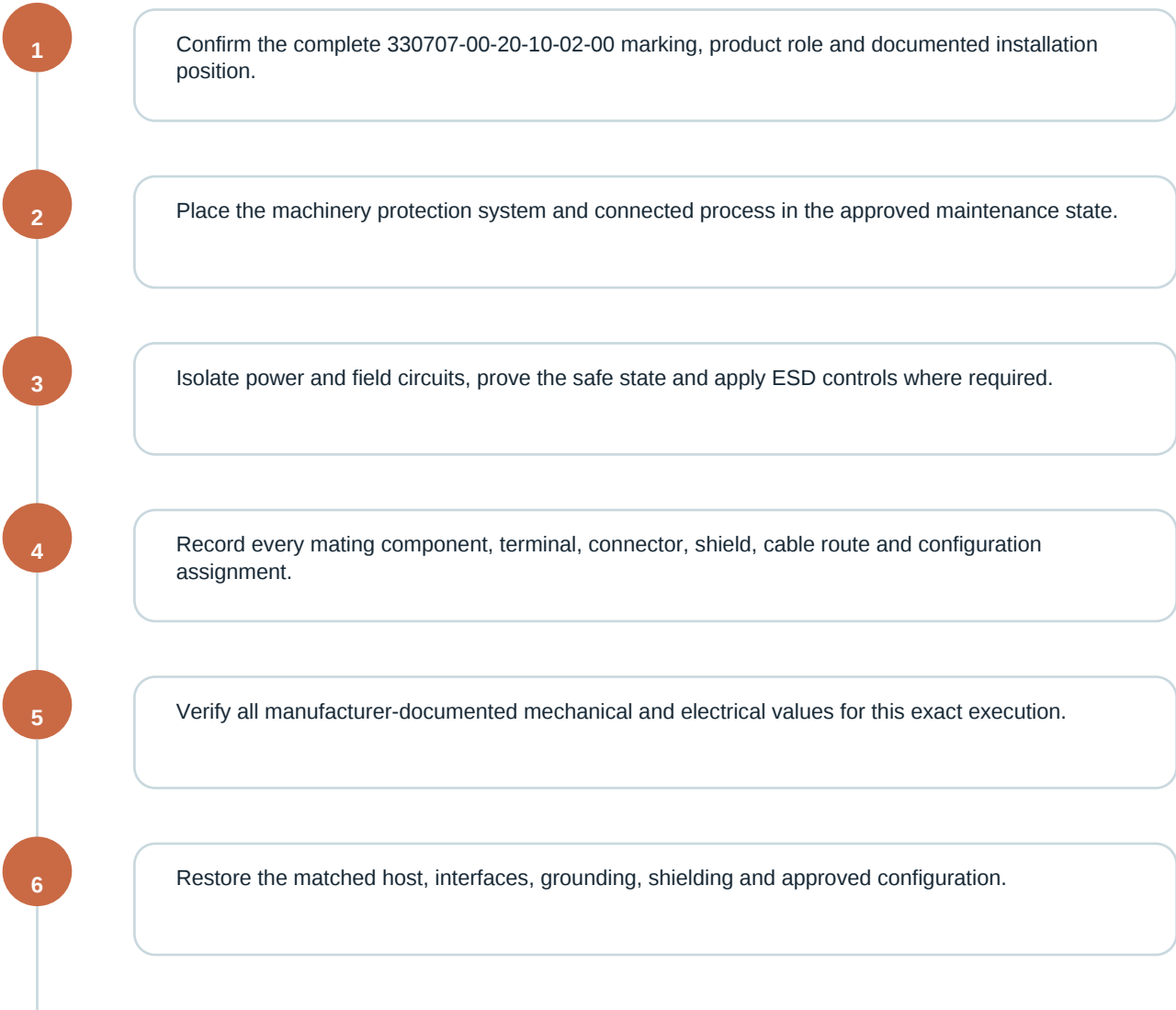
Bently Nevada 16925-60
- 9

Bently Nevada 16925-66

FIELD NOTE

Confirm 330707-00-20-10-02-00, its matched Bently Nevada 3300 XL 11 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



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330707-00-20-10-02-00
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 radial vibration, axial position or phase-reference measurement

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 radial vibration, axial position or phase-reference measurement before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	330707-00-20-10-02-00
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 radial vibration, axial position or phase-reference measurement before service release.

SOURCE IDENTIFIERS

3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. T | Baker Hughes / Bently Nevada official manufacturer evidence, verified 28 September 2026