

INDUSTRIAL AUTOMATION PRODUCT

330707-00-20-10-02-00

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

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 11 mm Proximity Transducer System
Part number	330707-00-20-10-02-00
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 330707-00-20-10-02-00 only in the documented Bently Nevada 3300 XL 11 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting radial vibration, axial position or phase-reference measurement under controlled conditions.

System Role and Architecture

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.

FUNCTION 1
Exact article identity 330707-00-20-10-02-00

FUNCTION 2
3300 XL 11 mm 5/8-18 UNF Proximity Probe

FUNCTION 3
Documented role: non-contacting radial vibration, axial position or phase-reference measurement

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1	Bently Nevada 330104-03-06-10-02-00	2
2	Bently Nevada 330104-06-12-10-02-00	3
3	Bently Nevada 330105-02-12-10-02-05	4
4	Bently Nevada 330106-05-30-10-02-05	5
5	Bently Nevada 330130-080-00-00	6
6	Bently Nevada 330180-50-00	7
7	Bently Nevada 3500-25-149369-01-135473-01	8
8	Bently Nevada 3500-40M-176449-01	9
9	Bently Nevada 10026-02-12-05-02	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 XL 11 mm Proximity Transducer System
02	Matched Bently Nevada host module, Proximitor Sensor or rack position
03	Documented wiring, cable route, connectors, shields and grounding
04	Approved configuration and controlled acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 11 mm Proximity Transducer System
Interface role	non-contacting radial vibration, axial position or phase-reference measurement
Field / power context	documented machinery-monitoring rack or matched transducer-loop position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Probe model	330707	Agency approval option	Not required
Mounting thread	5/8-18 UNF	System linear range	4.0 mm (160 mil)
Armor	Without armor	Recommended gap	2.5 mm (100 mil)
Unthreaded length	0.0 in	Incremental scale factor	3.94 V/mm (100 mV/mil)
Overall case length	2.0 in	Frequency response	0 to 8 kHz typical
Total probe length	1.0 m (3.3 ft)	Recommended case torque	15.2 N m (133 in-lb)
Connector and cable	Miniature coaxial ClickLoc; standard cable; no connector	Minimum cable bend radius	25.4 mm (1.0 in)

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ENGINEERING BOUNDARY

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.

PRE-INSTALLATION CHECKS

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.

Applications and Engineering Context

Machinery-protection planned maintenance

Restores non-contacting radial vibration, axial position or phase-reference measurement in the documented monitoring architecture.

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

Uses exact 330707-00-20-10-02-00 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

TECHNICAL NOTE

Install 330707-00-20-10-02-00 only in the documented Bently Nevada 3300 XL 11 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting radial vibration, axial position or phase-reference measurement under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330707-00-20-10-02-00 recorded
Host / carrier	Bently Nevada 3300 XL 11 mm Proximity Transducer System
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

IMPORTANT NOTICE

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

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330104-03-06-10-02-00

View Bently Nevada 330104-03-06-10-02-00 page

2

Bently Nevada 330104-06-12-10-02-00

View Bently Nevada 330104-06-12-10-02-00 page

3

Bently Nevada 330105-02-12-10-02-05

View Bently Nevada 330105-02-12-10-02-05 page

4

Bently Nevada 330106-05-30-10-02-05

View Bently Nevada 330106-05-30-10-02-05 page

5

Bently Nevada 330130-080-00-00

View Bently Nevada 330130-080-00-00 page

6

Bently Nevada 330180-50-00

View Bently Nevada 330180-50-00 page

7

Bently Nevada 3500-25-149369-01-135473-01

View Bently Nevada 3500-25-149369-01-135473-01 page

8

Bently Nevada 3500-40M-176449-01

View Bently Nevada 3500-40M-176449-01 page

9

Bently Nevada 10026-02-12-05-02

View Bently Nevada 10026-02-12-05-02 page

MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.