

330171-00-12-10-01-CN

3300 5 mm Proximity Probe

Bently Nevada 330171-00-12-10-01-CN is the documented 3300 5 mm Proximity Probe for the matched Bently Nevada 3300 5 mm Proximity Transducer System.

BRAND	Bently Nevada	FAMILY	Bently Nevada 3300 5 mm Proximity Transducer System
PART	330171-00-12-10-01-CN	SYSTEM ROLE	Exact article identity: Bently Nevada 330171-00-12-10-01-CN

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330171-00-12-10-01-CN

MANUFACTURER SOURCE RECORD

3300 5 mm Transducer System Datasheet
172036 Rev. T

Product Overview

SYSTEM FUNCTION

Bently Nevada 330171-00-12-10-01-CN is the documented 3300 5 mm Proximity Probe for the matched Bently Nevada 3300 5 mm Proximity Transducer System.

FUNCTION 1

Exact article identity: Bently Nevada 330171-00-12-10-01-CN

FUNCTION 2

Documented component: 3300 5 mm Proximity Probe

FUNCTION 3

Installed family: Bently Nevada 3300 5 mm Proximity Transducer System

FUNCTION 4

Controlled replacement and verification workflow

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 3300 5 mm Proximity Transducer System
Primary interface	Exact article identity: Bently Nevada 330171-00-12-10-01-CN
Engineering context	Use 330171-00-12-10-01-CN only with the documented Bently Nevada host system and matched interfaces. Preserve the as-found configuration during replacement and commissioning.
Commissioning duty	Complete a controlled response and alarm test before service release.

TECHNICAL NOTE

Match 330171-00-12-10-01-CN to the documented host, physical interface and connection arrangement. Restore the recorded configuration and verify diagnostics and controlled channel response before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Complete order number	330171-00-12-10-01-CN	Connector and cable option	Miniature coaxial ClickLoc with connector protector, standard cable
Probe construction	Without armor	Approval option	China country-specific approval
Mounting thread	1/4-28 UNF	Probe-tip diameter	5.2 mm
Unthreaded length	0.0 in	System linear range	2.0 mm (80 mils)
Overall case length	1.2 in	Recommended gap	1.27 mm (50 mils)
Total lead length	1.0 m	Incremental scale factor	7.87 V/mm (200 mV/mil)

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330730-080-10-00	Bently Nevada product	View Bently Nevada 330730-080-10-00 page
Bently Nevada 330101-00-30-10-01-00	Bently Nevada product	View Bently Nevada 330101-00-30-10-01-00 page
Bently Nevada 330101-00-59-15-02-05	Bently Nevada product	View Bently Nevada 330101-00-59-15-02-05 page
Bently Nevada 330706-005-46-10-02-00	Bently Nevada product	View Bently Nevada 330706-005-46-10-02-00 page
Bently Nevada 330902-00-25-05-01-05	Bently Nevada product	View Bently Nevada 330902-00-25-05-01-05 page
Bently Nevada 330901-00-90-10-02-05	Bently Nevada product	View Bently Nevada 330901-00-90-10-02-05 page
Bently Nevada 330701-00-20-10-02-00-114082	Bently Nevada product	View Bently Nevada 330701-00-20-10-02-00-114082 page
Bently Nevada 330104-01-11-10-01-00	Bently Nevada product	View Bently Nevada 330104-01-11-10-01-00 page

ENGINEERING BOUNDARY

Confirm 330171-00-12-10-01-CN, host identity, hardware execution, interfaces, wiring, shielding, grounding, configuration, accessories and controlled functional-test results before commissioning.

Applications and Precautions

Common Applications

Radial shaft-vibration measurement

Measures shaft motion relative to the bearing housing in the matched proximity loop.

Machine shaft centerline observation

Supplies slow-roll and static-position information to the installed monitor.

Axial position and thrust monitoring

Provides a documented noncontact sensing point for the configured position channel.

Matched transducer-loop replacement

Restores the exact mechanical, lead and approval execution without changing loop identity.

Product Precautions

- 1

Confirm the complete Bently Nevada 330171-00-12-10-01-CN marking and installed position.
- 2

Place the machine and protection channel in the approved maintenance state.
- 3

Isolate the circuit and apply ESD-safe handling controls.
- 4

Record connectors, terminals, cable route, shielding and grounding.
- 5

Verify the documented host, hardware execution and technical values.
- 6

Restore the approved interfaces and channel configuration.
- 7

Review bias, channel and monitor diagnostics after energization.
- 8

Complete a controlled response and alarm test before service release.

IMPORTANT NOTICE

Confirm 330171-00-12-10-01-CN, host identity, hardware execution, interfaces, wiring, shielding, grounding, configuration, accessories and controlled functional-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	330171-00-12-10-01-CN
Configuration	Review bias, channel and monitor diagnostics after energization.
Functional release	Complete a controlled response and alarm test before service release.

Engineer FAQ

Q1 How is Bently Nevada 330171-00-12-10-01-CN identified?

Match the complete order number 330171-00-12-10-01-CN and documented product designation.

Q3 What records precede removal of Bently Nevada 330171-00-12-10-01-CN?

Record position, connections, cable route, configuration and diagnostics.

Q5 Which values govern Bently Nevada 330171-00-12-10-01-CN?

Complete order number: 330171-00-12-10-01-CN; Probe construction: Without armor; Mounting thread: 1/4-28 UNF.

Q7 Which diagnostics follow fitting Bently Nevada 330171-00-12-10-01-CN?

Review channel, bias and monitor diagnostics after controlled energization.

Q2 Which host accepts Bently Nevada 330171-00-12-10-01-CN?

Use only the documented Bently Nevada 3300 5 mm Proximity Transducer System execution.

Q4 How is Bently Nevada 330171-00-12-10-01-CN isolated?

Secure the machine, isolate the loop and apply ESD controls.

Q6 How is Bently Nevada 330171-00-12-10-01-CN compatibility checked?

Match the host, physical interface, cable or terminal execution and system configuration.

Q8 What releases Bently Nevada 330171-00-12-10-01-CN to service?

A documented controlled response and alarm test with no active fault.

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