

Bently Nevada 330173-00-05-10-02-00

Complete Product Information

Bently Nevada 330173-00-05-10-02-00 brings the compact 5 mm sensing tip to a metric M8 x 1 mounting point with a one-metre lead.

WHAT THIS PRODUCT DOES

Bently Nevada 330173-00-05-10-02-00 is an unarmored M8 x 1 3300 5 mm probe with a fully threaded 50 mm case, a 1.0 m standard lead and a ClickLoc connector without protector.

Product characteristic 1

Uses the compact 5 mm probe tip for restricted sensing locations.

Product characteristic 2

Provides a fully threaded 50 mm M8 x 1 case.

Product characteristic 3

Carries a 1.0 m standard lead without armor.

Product characteristic 4

Terminates in the code-02 ClickLoc connector without a protector.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Probe family	3300 5 mm
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm

IMPORTANT NOTICE

Match the complete 330173-00-05-10-02-00 marking before removing the installed probe. Verify proportional voltage response, polarity and channel indication before returning the machine to service.

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Features and technical data

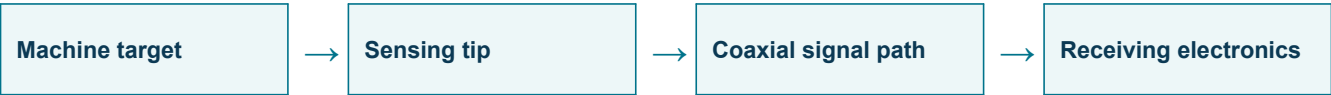
TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Probe family	3300 5 mm
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm
Overall case length	50 mm
Total length	1.0 m
Connector	ClickLoc, no connector protector
Approval option	Not required

FEATURE INTERPRETATION

Product identity Uses the compact 5 mm probe tip for restricted sensing locations.	System role Provides a fully threaded 50 mm M8 x 1 case.
Service context Carries a 1.0 m standard lead without armor.	Return-to-service focus Terminates in the code-02 ClickLoc connector without a protector.

SIGNAL OR CONTROL PATH



The 5 mm probe interfaces with the documented matched transducer system and must not be mixed with unrelated probe families. Mounting clearance and target size require particular attention because of the smaller tip.

PRODUCT-PAGE TECHNICAL QUESTIONS

What mounting thread is machined on 330173-00-05-10-02-00?	The 330173 metric probe uses M8 x 1.
How much unthreaded case length does 330173-00-05-10-02-00 have?	Code 00 specifies 0 mm; the 50 mm case is fully threaded.
Which case length is encoded by 05 in 330173-00-05-10-02-00?	For the metric 330173 ordering string, 05 specifies 50 mm.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Shaft-relative vibration Uses the installed probe position to observe dynamic shaft motion in restricted-clearance shaft locations.	Static position Supports non-contact measurement of shaft position inside the calibrated transducer-system range.
Machine protection input Feeds the matched Proximitor sensor and monitoring channel used for alarms and protection logic.	Commissioning verification Allows gap, signal response and channel direction to be checked after installation.

APPLICATION VERIFICATION MAP

Shaft-relative vibration	Confirm the documented system position and the required operating function.
Static position	Compare the restored connection or control path with the approved record.
Machine protection input	Check the physical interface and the retained configuration before startup.
Commissioning verification	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Which case length is encoded by 05 in 330173-00-05-10-02-00?	For the metric 330173 ordering string, 05 specifies 50 mm.
What is the total probe length of 330173-00-05-10-02-00?	Code 10 specifies 1.0 m.
Does the connector on 330173-00-05-10-02-00 have a protector?	No. Option 02 selects the ClickLoc connector without protector.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 01 Match the complete 330173-00-05-10-02-00 marking before removing the installed probe.
- 02 Confirm the mounting interface is M8 x 1 and that the case provides adequate thread engagement.
- 03 Keep the probe, extension cable and Proximitor sensor at the documented matched 3300 5 mm system electrical length.
- 04 Protect the probe tip, coaxial lead and ClickLoc connector from impact, contamination and sharp bends.
- 05 Route the lead away from hot surfaces, rotating parts and locations that can crush or abrade the cable.
- 06 Use the connector protector only when it is included in the complete ordering code.
- 07 Set the probe gap with the matched system and the controlled target material before enabling protection.
- 08 Verify proportional voltage response, polarity and channel indication before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What mounting thread is machined on 330173-00-05-10-02-00?	The 330173 metric probe uses M8 x 1.
How much unthreaded case length does 330173-00-05-10-02-00 have?	Code 00 specifies 0 mm; the 50 mm case is fully threaded.
Which case length is encoded by 05 in 330173-00-05-10-02-00?	For the metric 330173 ordering string, 05 specifies 50 mm.
What is the total probe length of 330173-00-05-10-02-00?	Code 10 specifies 1.0 m.

IMPORTANT NOTICE

Match the complete 330173-00-05-10-02-00 marking before removing the installed probe. Verify proportional voltage response, polarity and channel indication before returning the machine to service.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

Does the connector on 330173-00-05-10-02-00 have a protector?	No. Option 02 selects the ClickLoc connector without protector.
Why must target size be checked for 330173-00-05-10-02-00?	The compact 5 mm tip requires the documented target geometry to preserve calibrated response.
Which extension-cable family is used with 330173-00-05-10-02-00?	Use the extension arrangement documented for the matched 3300 5 mm system and confirm total electrical length.
What should be verified after gapping 330173-00-05-10-02-00?	Confirm stable bias voltage, correct response direction and the expected dynamic signal at the monitor.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Bently Nevada 3300 5 mm Proximity Transducer System Datasheet 172036 Rev. T.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 330879-03-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330190-045-01-05	Related product reference. Compare the required interface and system position.
Bently Nevada 330103-02-08-10-02-CN	Related product reference. Confirm the execution independently for the intended task.

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