

330173-00-04-10-02-00

3300 5 mm Proximity Probe

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.

ORDER-CODE DETAIL	VERIFIED VALUE
Base model	330173
Mounting thread	M8 x 1
Armor	Without armor
Unthreaded length	0 mm

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IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 5 mm Transducer System
Part number	330173-00-04-10-02-00
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 330173-00-04-10-02-00 only in the documented Bently Nevada 3300 5 mm Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting vibration or position measurement with a matched 5 mm probe system under controlled conditions.

System Role and Architecture

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.

FUNCTION 1
Exact article identity 330173-00-04-10-02-00

FUNCTION 2
3300 5 mm Proximity Probe

FUNCTION 3
Documented role: non-contacting vibration or position measurement with a matched 5 mm probe system

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
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8	Bently Nevada 330102-00-70-10-01-05	9
9	Bently Nevada 330102-00-80-10-01-05	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 5 mm 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 5 mm Transducer System
Interface role	non-contacting vibration or position measurement with a matched 5 mm probe system
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 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.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Base model	330173	Probe tip diameter	5.2 mm
Mounting thread	M8 x 1	System linear range	2.0 mm
Armor	Without armor	Recommended gap	1.27 mm
Unthreaded length	0 mm	Incremental scale factor	7.87 V/mm
Overall case length	40 mm	System frequency response	0 to 10 kHz
Total probe length	1.0 m	1 m probe DC resistance	7.59 +/- 0.50 ohm
Connector	Miniature coaxial ClickLoc	Minimum flat target diameter	15.2 mm
Connector protector	Not included		

RELATED PRODUCT PAGES

1

Bently Nevada
330103-00-12-10-12-05

2

Bently Nevada
330104-10-15-10-01-05

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Bently Nevada
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Bently Nevada
330102-00-70-10-01-05

9

Bently Nevada
330102-00-80-10-01-05

ENGINEERING BOUNDARY

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.

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

Machinery-protection planned maintenance

Restores non-contacting vibration or position measurement with a matched 5 mm probe system in the documented monitoring architecture.

3300 5 mm Proximity Probe replacement

Uses exact 330173-00-04-10-02-00 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 330173-00-04-10-02-00 only in the documented Bently Nevada 3300 5 mm Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting vibration or position measurement with a matched 5 mm probe system under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330173-00-04-10-02-00 recorded
Host / carrier	Bently Nevada 3300 5 mm 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 vibration or position measurement with a matched 5 mm probe system

IMPORTANT NOTICE

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.

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 330103-00-12-10-12-05

View Bently Nevada 330103-00-12-10-12-05 page

2

Bently Nevada 330104-10-15-10-01-05

View Bently Nevada 330104-10-15-10-01-05 page

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Bently Nevada 330101-00-16-05-11-05

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Bently Nevada 330105-02-12-90-12-00

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Bently Nevada 330106-05-30-05-02-00

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Bently Nevada 330102-00-80-10-01-05

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MANUFACTURER SOURCE RECORD

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

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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.