

# 330171-00-08-10-02-CN

## 3300 5 mm Proximity Probe

Bently Nevada 330171-00-08-10-02-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  | 330171-00-08-10-02-CN | SYSTEM ROLE | Exact article identity: Bently Nevada 330171-00-08-10-02-CN |

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330171-00-08-10-02-CN

### MANUFACTURER SOURCE RECORD

3300 5 mm Transducer System Datasheet  
172036 Rev. T

# Product Overview

## SYSTEM FUNCTION

Bently Nevada 330171-00-08-10-02-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 330171-00-08-10-02-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 330171-00-08-10-02-CN                                                                                                                    |
| Engineering context | Use 330171-00-08-10-02-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 330171-00-08-10-02-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 | 330171-00-08-10-02-CN | Connector and cable option | Miniature coaxial ClickLoc, 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   | 0.8 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 330103-00-12-10-11-05 | Bently Nevada product | <a href="#">View Bently Nevada 330103-00-12-10-11-05 page</a> |
| Bently Nevada 330102-00-80-10-11-05 | Bently Nevada product | <a href="#">View Bently Nevada 330102-00-80-10-11-05 page</a> |
| Bently Nevada 330102-00-40-10-02-05 | Bently Nevada product | <a href="#">View Bently Nevada 330102-00-40-10-02-05 page</a> |
| Bently Nevada 330103-00-13-20-12-05 | Bently Nevada product | <a href="#">View Bently Nevada 330103-00-13-20-12-05 page</a> |
| Bently Nevada 330910-00-12-10-02-05 | Bently Nevada product | <a href="#">View Bently Nevada 330910-00-12-10-02-05 page</a> |
| Bently Nevada 330901-00-10-02-00-02 | Bently Nevada product | <a href="#">View Bently Nevada 330901-00-10-02-00-02 page</a> |
| Bently Nevada 330190-085-01-05      | Bently Nevada product | <a href="#">View Bently Nevada 330190-085-01-05 page</a>      |
| Bently Nevada 330101-00-30-90-02-05 | Bently Nevada product | <a href="#">View Bently Nevada 330101-00-30-90-02-05 page</a> |

ENGINEERING BOUNDARY

Confirm 330171-00-08-10-02-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 330171-00-08-10-02-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 330171-00-08-10-02-CN, host identity, hardware execution, interfaces, wiring, shielding, grounding, configuration, accessories and controlled functional-test results before commissioning.

| ACCEPTANCE CHECK   | REQUIRED EVIDENCE                                                     |
|--------------------|-----------------------------------------------------------------------|
| Identity           | 330171-00-08-10-02-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 330171-00-08-10-02-CN identified?

Match the complete order number 330171-00-08-10-02-CN and documented product designation.

### Q3 What records precede removal of Bently Nevada 330171-00-08-10-02-CN?

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

### Q5 Which values govern Bently Nevada 330171-00-08-10-02-CN?

Complete order number: 330171-00-08-10-02-CN; Probe construction: Without armor; Mounting thread: 1/4-28 UNF.

### Q7 Which diagnostics follow fitting Bently Nevada 330171-00-08-10-02-CN?

Review channel, bias and monitor diagnostics after controlled energization.

### Q2 Which host accepts Bently Nevada 330171-00-08-10-02-CN?

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

### Q4 How is Bently Nevada 330171-00-08-10-02-CN isolated?

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

### Q6 How is Bently Nevada 330171-00-08-10-02-CN compatibility checked?

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

### Q8 What releases Bently Nevada 330171-00-08-10-02-CN to service?

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

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