

# 330103-00-05-05-01-CN

## 3300 XL 8 mm Proximity Probe

Bently Nevada 330103-00-05-05-01-CN is the documented 3300 XL 8 mm Proximity Probe for the matched Bently Nevada 3300 XL 8 mm Proximity Transducer System.

|       |                       |             |                                                             |
|-------|-----------------------|-------------|-------------------------------------------------------------|
| BRAND | Bently Nevada         | FAMILY      | Bently Nevada 3300 XL 8 mm Proximity Transducer System      |
| PART  | 330103-00-05-05-01-CN | SYSTEM ROLE | Exact article identity: Bently Nevada 330103-00-05-05-01-CN |

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330103-00-05-05-01-CN

### MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet  
141194 Rev. AM

# Product Overview

## SYSTEM FUNCTION

Bently Nevada 330103-00-05-05-01-CN is the documented 3300 XL 8 mm Proximity Probe for the matched Bently Nevada 3300 XL 8 mm Proximity Transducer System.

## FUNCTION 1

Exact article identity: Bently Nevada 330103-00-05-05-01-CN

## FUNCTION 2

Documented component: 3300 XL 8 mm Proximity Probe

## FUNCTION 3

Installed family: Bently Nevada 3300 XL 8 mm Proximity Transducer System

## FUNCTION 4

Controlled replacement and verification workflow

## System Components

| COMPONENT           | DOCUMENTED ROLE                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host / carrier      | Bently Nevada 3300 XL 8 mm Proximity Transducer System                                                                                                                         |
| Primary interface   | Exact article identity: Bently Nevada 330103-00-05-05-01-CN                                                                                                                    |
| Engineering context | Use 330103-00-05-05-01-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 330103-00-05-05-01-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 | 330103-00-05-05-01-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       | M10 x 1               | Probe-tip diameter         | 8.0 mm                                                              |
| Unthreaded length     | 0 mm                  | System linear range        | 2.0 mm (80 mils)                                                    |
| Overall case length   | 50 mm                 | Recommended gap            | 1.27 mm (50 mils)                                                   |
| Total lead length     | 0.5 m                 | Incremental scale factor   | 7.87 V/mm (200 mV/mil)                                              |

Related Products on Apter Power

| MODEL                               | SYSTEM ROLE           | APTER POWER PAGE                                              |
|-------------------------------------|-----------------------|---------------------------------------------------------------|
| Bently Nevada 330102-00-70-10-01-05 | Bently Nevada product | <a href="#">View Bently Nevada 330102-00-70-10-01-05 page</a> |
| Bently Nevada 330102-00-80-10-01-05 | Bently Nevada product | <a href="#">View Bently Nevada 330102-00-80-10-01-05 page</a> |
| Bently Nevada 330101-00-35-10-01-05 | Bently Nevada product | <a href="#">View Bently Nevada 330101-00-35-10-01-05 page</a> |
| Bently Nevada 330104-06-14-10-02-00 | Bently Nevada product | <a href="#">View Bently Nevada 330104-06-14-10-02-00 page</a> |
| Bently Nevada 330101-00-12-10-02-05 | Bently Nevada product | <a href="#">View Bently Nevada 330101-00-12-10-02-05 page</a> |
| Bently Nevada 330101-00-39-10-02-05 | Bently Nevada product | <a href="#">View Bently Nevada 330101-00-39-10-02-05 page</a> |
| Bently Nevada 330105-02-12-10-12-RU | Bently Nevada product | <a href="#">View Bently Nevada 330105-02-12-10-12-RU page</a> |
| Bently Nevada 330130-040-10-00      | Bently Nevada product | <a href="#">View Bently Nevada 330130-040-10-00 page</a>      |

ENGINEERING BOUNDARY

Confirm 330103-00-05-05-01-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.

### Axial position and thrust monitoring

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

### Machine shaft centerline observation

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

### Matched transducer-loop replacement

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

## Product Precautions

- 1

Confirm the complete Bently Nevada 330103-00-05-01-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 330103-00-05-01-CN, host identity, hardware execution, interfaces, wiring, shielding, grounding, configuration, accessories and controlled functional-test results before commissioning.

| ACCEPTANCE CHECK   | REQUIRED EVIDENCE                                                     |
|--------------------|-----------------------------------------------------------------------|
| Identity           | 330103-00-05-01-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 330103-00-05-05-01-CN identified?

Match the complete order number 330103-00-05-05-01-CN and documented product designation.

### Q3 What records precede removal of Bently Nevada 330103-00-05-05-01-CN?

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

### Q5 Which values govern Bently Nevada 330103-00-05-05-01-CN?

Complete order number: 330103-00-05-05-01-CN; Probe construction: Without armor; Mounting thread: M10 x 1.

### Q7 Which diagnostics follow fitting Bently Nevada 330103-00-05-05-01-CN?

Review channel, bias and monitor diagnostics after controlled energization.

### Q2 Which host accepts Bently Nevada 330103-00-05-05-01-CN?

Use only the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System execution.

### Q4 How is Bently Nevada 330103-00-05-05-01-CN isolated?

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

### Q6 How is Bently Nevada 330103-00-05-05-01-CN compatibility checked?

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

### Q8 What releases Bently Nevada 330103-00-05-05-01-CN to service?

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

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