

# APTER POWER

330104-00-05-10-02-CN

## Proximity Probe

It is a armored M10 x 1 3300 XL 8 mm probe with a 50 mm case and 1.0 m integral lead.

# COMPLETE PRODUCT SNAPSHOT

|              |                                          |
|--------------|------------------------------------------|
| MANUFACTURER | Bently Nevada                            |
| FAMILY       | 3300 XL 8 mm proximity transducer system |
| MODEL        | 330104-00-05-10-02-CN                    |
| DOCUMENT     | 141194 Rev. AN                           |

## RELATED PRODUCTS ON APTER POWER

|    |                                              |      |
|----|----------------------------------------------|------|
| 01 | Bently Nevada 86517-01-01-01-02              | OPEN |
| 02 | Bently Nevada 86517-XX-XX-01-02 MOD:159840-1 | OPEN |
| 03 | Bently Nevada 21505-00-44-10-02              | OPEN |
| 04 | Bently Nevada 21747-00-20-10-02              | OPEN |
| 05 | Bently Nevada 21747-080-00                   | OPEN |
| 06 | Bently Nevada 21504-00-24-10-02              | OPEN |

### APTER POWER SALES TEAM

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330104-00-05-10-02-CN

## Exact-model technical record

|                            |                                          |                                   |                                                                                     |
|----------------------------|------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|
| <b>Complete model</b>      | 330104-00-05-10-02-CN                    | <b>Probe lead length</b>          | 1.0 m                                                                               |
| <b>Manufacturer</b>        | Bently Nevada                            | <b>Connector and cable option</b> | ClickLoc standard cable                                                             |
| <b>Product family</b>      | 3300 XL 8 mm proximity transducer system | <b>Approval option</b>            | CN suffix; current standard table does not decode CN                                |
| <b>Probe part family</b>   | 330104                                   | <b>System linear range</b>        | 2.0 mm (80 mils)                                                                    |
| <b>Mounting thread</b>     | M10 x 1                                  | <b>Scale factor</b>               | 7.87 V/mm (200 mV/mil)                                                              |
| <b>Cable armor</b>         | Armored                                  | <b>Frequency response</b>         | 0 to 10 kHz                                                                         |
| <b>Unthreaded length</b>   | 0 mm                                     | <b>Nominal gap</b>                | 1.27 mm (50 mils)                                                                   |
| <b>Overall case length</b> | 50 mm                                    | <b>Ordering-code boundary</b>     | Treat CN as an exact supplied suffix and verify the installed certification record. |

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## System role and applications

### Radial shaft vibration

Measures non-contacting shaft vibration in a matched 8 mm system.

### Axial position

Tracks shaft position where the engineered target and mounting geometry support the measurement.

### Phase reference

Supports phase-reference service when the monitor project assigns this probe accordingly.

### Exact probe replacement

Preserves the published thread, case, lead and connector identity during maintenance.

## ENGINEERING BOUNDARY

Verify 330104-00-05-10-02-CN, the installed extension cable and Proximity Sensor, target material, system length and gap before replacement. Treat CN as an exact supplied suffix and verify the installed certification record.

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## Model-specific engineering questions

### Q1. How does the 50 mm case affect installation of Bently Nevada 330104-00-05-10-02-CN?

The probe has a 0 mm unthreaded section and 50 mm overall case, so the mounting depth and locknut position must preserve that shorter mechanical envelope.

### Q2. What cable arrangement is built into Bently Nevada 330104-00-05-10-02-CN?

It combines a 1.0 m integral armored lead with a ClickLoc standard-cable connection; protect both the armor and coaxial interface during routing.

### Q3. Why must the CN suffix remain with Bently Nevada 330104-00-05-10-02-CN?

CN is part of the supplied identity and is not decoded as a standard option here. Keep it tied to the nameplate and site certification record.

### Q4. Which components create the measurement chain for Bently Nevada 330104-00-05-10-02-CN?

Use the probe with the matching 3300 XL 8 mm extension cable and Proximitor Sensor selected for the installed total system length.

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## Acceptance reference and related products

**Q5. What gap target should be used for Bently Nevada 330104-00-05-10-02-CN?**

Set approximately 1.27 mm (50 mils) nominal gap on the approved conductive target, then confirm the corresponding stable gap voltage.

**Q6. How should the 2.0 mm range be verified on Bently Nevada 330104-00-05-10-02-CN?**

Move the target through the required operating travel and confirm the response remains linear within the 2.0 mm (80 mil) system range.

### RELATED PRODUCTS ON APTER POWER

|                                                                                                                                                                                                                                                                                                                  |                                              |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|
| 01                                                                                                                                                                                                                                                                                                               | Bently Nevada 86517-01-01-01-02              | OPEN |
| 02                                                                                                                                                                                                                                                                                                               | Bently Nevada 86517-XX-XX-01-02 MOD:159840-1 | OPEN |
| 03                                                                                                                                                                                                                                                                                                               | Bently Nevada 21505-00-44-10-02              | OPEN |
| 04                                                                                                                                                                                                                                                                                                               | Bently Nevada 21747-00-20-10-02              | OPEN |
| 05                                                                                                                                                                                                                                                                                                               | Bently Nevada 21747-080-00                   | OPEN |
| 06                                                                                                                                                                                                                                                                                                               | Bently Nevada 21504-00-24-10-02              | OPEN |
| 07                                                                                                                                                                                                                                                                                                               | Bently Nevada CB2W100-125                    | OPEN |
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| 11                                                                                                                                                                                                                                                                                                               | Bently Nevada 146056-38-10-02-02-05          | OPEN |