# Bently Nevada 330904-00-05-05-01-IN

Apter Power installation and commissioning guide

Bently Nevada 330904-00-05-05-01-IN is a 3300 XL NSv proximity probe with a M8 x 1 case thread, 0.5 m integral lead and ClickLoc connector with protector.

## 01 / Work scope

This 3300 XL NSv probe senses the gap to a conductive target as one part of the complete proximity transducer chain.

## Selected assembly

| Parameter | Selected configuration |
| --- | --- |
| Probe family | 3300 XL NSv |
| Case thread | M8 x 1 |
| Lead armor | stainless steel armored |
| Unthreaded length | 0 mm |
| Overall case length | 50 mm |
| Probe lead length | 0.5 m |

## System position

| Boundary | Installed-system relationship |
| --- | --- |
| Sensing-chain context | 330904-00-05-05-01-IN is the probe at the machine target within a 3300 XL NSv probe, cable and Proximitor arrangement. |
| Application scope | Use the installed system calibration and target geometry to select a supported vibration, position or phase-reference location. |

## 02 / Before installation

Part prefix 330904 selects a M8 x 1 case with stainless steel lead armor. The selected unthreaded section is 0 mm, within an overall 50 mm case.

| Parameter | Selected configuration |
| --- | --- |
| Unthreaded length | 0 mm |
| Overall case length | 50 mm |
| Probe lead length | 0.5 m |
| Connector | ClickLoc connector with protector |
| Additional suffix | IN; meaning to be confirmed |
| Cable type | standard cable selected by connector option 01 |

## Readiness checks

| Check | Reason or action |
| --- | --- |
| Isolation | Make the measurement channel and machine safe before changing the probe. |
| Thread fit | Confirm the M8 x 1 mount without forcing a different case thread. |
| Target clearance | Inspect the available target area and side-view clearance before setting the probe gap. |
| Cable routing | Keep the lead clear of sharp edges and protect the coaxial connector from contamination. |

Record the complete product marking and the installed machine drawing before removing an existing item.

## 03 / Mechanical and electrical fitting

Option 05 provides a 0.5 m lead. Code 01 supplies a clickloc connector with protector; keep this connection clean and match it to the extension cable.

| Sequence | Installation action |
| --- | --- |
| 1. Isolation | Make the measurement channel and machine safe before changing the probe. |
| 2. Thread fit | Confirm the M8 x 1 mount without forcing a different case thread. |
| 3. Target clearance | Inspect the available target area and side-view clearance before setting the probe gap. |
| 4. Cable routing | Keep the lead clear of sharp edges and protect the coaxial connector from contamination. |
| 5. System length | Count the 0.5 m probe lead in the total length of the matched transducer chain. |
| 6. Gap acceptance | Check the final DC gap voltage and dynamic signal under the approved site procedure. |

## Configuration-specific notes

| Topic | Technical limit |
| --- | --- |
| Probe configuration | 330904 selects a M8 x 1 armored case with 50 mm overall length and 0.5 m lead. |
| System boundary | Measurement performance depends on the matched probe, extension cable, Proximitor sensor and target material. |
| Suffix identity | Keep the trailing IN on the enquiry and verify its meaning against the offered unit marking before assigning an approval. |

## 04 / Commissioning acceptance

The trailing IN is preserved as supplied and has no assigned interpretation here. Confirm the physical marking and any required approvals before ordering. Gap, scale factor and linear range apply to the matched 3300 XL NSv system.

| Question | Engineering answer |
| --- | --- |
| What sensing family does 330904-00-05-05-01-IN belong to? | It is a 3300 XL NSv probe. It works with a matched extension cable and Proximitor sensor. |
| Which case thread is selected for 330904-00-05-05-01-IN? | The 330904 part prefix selects a M8 x 1 case thread. |
| Is the lead of 330904-00-05-05-01-IN armored? | Yes. The 330904 probe prefix denotes an armored version. |
| How long is the unthreaded portion of 330904-00-05-05-01-IN? | Option 00 selects 0 mm unthreaded length. |
| What is the overall probe case length of 330904-00-05-05-01-IN? | Option 05 selects 50 mm overall case length. |

## Acceptance record

| Measurement use | Supported context |
| --- | --- |
| Machine vibration | Observe a suitable shaft target for relative vibration in a documented transducer installation. |
| Axial position | Use an approved axial position arrangement with the correct target and probe gap. |

Accept the installation only after the installed system and target configuration have been checked against the machine procedure.

## 05 / Service handover

| Question | Engineering answer |
| --- | --- |
| How long is the integral lead on 330904-00-05-05-01-IN? | Option 05 selects a 0.5 m probe lead. |
| What connection is supplied with 330904-00-05-05-01-IN? | Option 01 specifies a clickloc connector with protector; protect the connection during routing and installation. |
| Does 330904-00-05-05-01-IN alone establish the system measurement range? | No. The matched 3300 XL NSv probe, extension cable, Proximitor sensor and target calibration establish system performance. |

## Service reference

Confirm the installed system length, case thread and connector before selecting a replacement probe.

## Related product references

| Related product | Selection note |
| --- | --- |
| Bently Nevada 330880-00-00-000-03-02 | Separate catalogue reference |
| Bently Nevada 21504-000-040-10-02 | Separate catalogue reference |
| Bently Nevada 330851-02-000-060-10-00-00 | Separate catalogue reference |
| Bently Nevada 330851-02-000-030-10-00-00 | Separate catalogue reference |
| Bently Nevada 330101-00-10-10-02-00 | Separate catalogue reference |
| Bently Nevada 330101-00-20-10-02-00 | Separate catalogue reference |
| Bently Nevada 330101-00-08-05-02-00 | Separate catalogue reference |

Technical reference: Bently Nevada 3300 XL NSv Proximity Transducer System, 147385 Rev. R.