

330104-00-07-50-02-00

3300 XL 8 mm Armored M10 x 1 Proximity Probe

Bently Nevada 330104-00-07-50-02-00 is an armored M10 x 1 3300 XL 8 mm proximity probe with a 70 mm case and 5.0 m standard cable. It belongs to a matched non-contacting vibration and position

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL 8 mm

PART

330104-00-07-50-02-00

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

330104-00-07-50-02-00 provides non-contacting shaft vibration, position, speed or Keyphasor measurement for a matched Bently Nevada 3300 XL 8 mm Proximity Transducer System installation.

Exact article identity 330104-00-07-50-02-00

3300 XL 8 mm Armored M10 x 1 Proximity Probe

Documented role: non-contacting shaft vibration, position, speed or Keyphasor measurement

Controlled installation, diagnostics and functional verification

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3	Bently Nevada 330101-00-39-10-02-05	Bently Nevada 330105-02-12-10-12-RU
4	Bently Nevada 330130-040-10-00	5
6	Bently Nevada 330101-04-30-05-01-05	Bently Nevada 330101-00-16-05-02-00
7	Bently Nevada 330101-00-16-10-11-05	8
9	Bently Nevada 330103-00-22-50-12-05	Bently Nevada 330103-00-25-05-02-BR

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, mating hardware, wiring or cable route and approved configuration. Commissioning preserves that architecture and verifies controlled response.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Probe model	330104	Agency approval option	Not required
Mounting thread	M10 x 1	System linear range	2.0 mm (80 mil)
Armor	Stainless-steel armor	System scale factor	7.87 V/mm (200 mV/mil)
Unthreaded length	0 mm	System frequency response	0 to 10 kHz typical
Overall case length	70 mm	Cable impedance	75 ohm
Total probe length	5.0 m (16.4 ft)	Minimum bend radius	25.4 mm (1.0 in)
Connector and cable	Miniature coaxial ClickLoc; standard cable; no connector	Target calibration	AISI 4140 steel unless otherwise ordered

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TECHNICAL NOTE

Install 330104-00-07-50-02-00 only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting shaft vibration, position, speed or Keyphasor measurement under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores non-contacting shaft vibration, position, speed or Keyphasor measurement in the documented

3300 XL 8 mm Armored M10 x 1 Proximity Probe replacement

Uses exact 330104-00-07-50-02-00 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.

PRODUCT PRECAUTIONS

- 1
- Confirm the complete 330104-00-07-50-02-00 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.
- 5
- Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- 6
- Restore the matched host, interfaces, grounding, shielding and approved configuration.
- 7
- Energize under control and review rack, channel or transducer-loop diagnostics.
- 8
- Complete a controlled functional test of non-contacting shaft vibration, position, speed or Keyphasor

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ENGINEER FAQ

Q1

How is 330104-00-07-50-02-00 identified before installation?

Match the complete 330104-00-07-50-02-00 marking, the 3300 XL 8 mm Armored M10 x 1 Proximity Probe designation and the documented host position; do not substitute a neighboring suffix.

Q2

What function is assigned to 330104-00-07-50-02-00?

Bently Nevada documents it for non-contacting shaft vibration, position, speed or Keyphasor measurement in the matched Bently Nevada 3300 XL 8 mm Proximity Transducer System.

Q3

What official mounting thread applies to 330104-00-07-50-02-00?

The manufacturer record specifies M10 x 1; verify the installed execution before work.

Q4

Which armor must be matched for 330104-00-07-50-02-00?

The documented value is Stainless-steel armor. Preserve the associated mechanical, electrical and system interfaces.

Q5

How should the unthreaded length of 330104-00-07-50-02-00 be checked?

Confirm unthreaded length as 0 mm and compare it with the as-found installation record.

Q6

What must be recorded before replacing 330104-00-07-50-02-00?

Record the exact identity, installed position, mating components, wiring or cable route, configuration, active diagnostics and baseline response before disconnection.

Q7

What connection checks apply to 330104-00-07-50-02-00?

Keep every connector clean and correctly seated, preserve shields and grounding, observe documented torque or bend limits and restore the matched system arrangement.

Q8

How is 330104-00-07-50-02-00 accepted after installation?

Restore the recorded interfaces and configuration, review diagnostics, then complete a controlled test of non-contacting shaft vibration, position, speed or Keyphasor measurement before release.

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SOURCE

3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM | Baker Hughes /
Bently Nevada official manufacturer evidence, verified 28 September 2026
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