

330101-00-20-50-02-05

3300 XL 8 mm Proximity Probe

Bently Nevada 330101-00-20-50-02-05 is an unarmored 3300 XL 8 mm proximity probe with a 3/8-24 UNF case and 5.0 m standard cable. Its matched system measures non-contacting shaft vibration or

ENGINEERING QUICK REFERENCE

MODEL DETAIL	DOCUMENTED VALUE
Base model	330101
Mounting thread	3/8-24 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	5.0 m
Connector	Miniature coaxial ClickLoc

PRODUCT SNAPSHOT

BRAND
Bently Nevada

FAMILY
Bently Nevada 3300 XL 8 mm

PART
330101-00-20-50-02-05

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE
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WEBSITE
www.apterpower.com



PRODUCT OVERVIEW

330101-00-20-50-02-05 provides non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system for a matched Bently Nevada 3300 XL 8 mm Proximity Transducer System installation.

Exact article identity 330101-00-20-50-02-05

3300 XL 8 mm Proximity Probe

Documented role: non-contacting shaft vibration and position measurement with a matched 5 m

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES					
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4	Bently Nevada 330104-00-12-10-02-00	5	Bently Nevada 330104-06-12-10-02-00	6	Bently Nevada 330105-02-12-10-02-05
7	Bently Nevada 330106-05-30-10-02-05	8	Bently Nevada 330130-080-00-00	9	Bently Nevada 330173-00-06-10-02-00

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
Base model	330101
Mounting thread	3/8-24 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	5.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included

PARAMETER	VALUE
Cable	Standard cable
Approval option	CSA, ATEX and IECEx
Matched system length	5 m
System linear range	2.0 mm
Incremental scale factor	7.87 V/mm
Recommended gap	1.27 mm
Minimum cable bend radius	25.4 mm

RELATED PRODUCT PAGES

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330173-00-06-10-02-00

TECHNICAL NOTE

Install 330101-00-20-50-02-05 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 and position measurement with a matched 5 m Proximitor system under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores non-contacting shaft vibration and position measurement with a matched 5 m Proximitor system in the documented monitoring architecture.

3300 XL 8 mm Proximity Probe replacement

Uses exact 330101-00-20-50-02-05 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 330101-00-20-50-02-05 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 and position measurement with a matched 5 m Proximitor system before service release.

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ENGINEER FAQ

Q1 **What does the 330101 base code identify?**

An unarmored 3/8-24 UNF 3300 XL 8 mm proximity probe.

Q2 **Is 20 a cable-length option?**

No. It is the 2.0-inch overall case length; option 50 specifies a 5.0 m probe.

Q3 **Which Proximitor length matches option 50?**

A matched 5 m 3300 XL 8 mm Proximitor system.

Q4 **Does option 02 include a connector protector?**

No. It is a standard-cable miniature coaxial ClickLoc without a protector.

Q5 **What does approval option 05 designate?**

The listed CSA, ATEX and IECEx approvals.

Q6 **What is the matched system linear range?**

2.0 mm (80 mil) for the 3300 XL 8 mm transducer system.

Q7 **Where is the recommended initial gap?**

Approximately 1.27 mm (50 mil), corresponding to about -9 Vdc.

Q8 **What is the ClickLoc torque ceiling?**

0.565 N m (5 in-lb).

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SOURCE 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN | Baker Hughes /
Bently Nevada manufacturer datasheet

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