

330104-08-16-10-02-00

3300 XL 8 mm Armored Proximity Probe

Bently Nevada 330104-08-16-10-02-00 is an armored M10 x 1 3300 XL 8 mm proximity probe with an 80 mm unthreaded section and 160 mm case. Its standard cable has a 1.0 m total probe length.

ENGINEERING QUICK REFERENCE

MODEL DETAIL	DOCUMENTED VALUE
Base model	330104
Mounting thread	M10 x 1
Armor	Stainless-steel armor
Unthreaded length	80 mm
Overall case length	160 mm
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc

PRODUCT SNAPSHOT

BRAND
Bently Nevada

FAMILY
Bently Nevada 3300 XL 8 mm

PART
330104-08-16-10-02-00

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE
+86 180 3023 5313

WEBSITE
www.apterpower.com



PRODUCT OVERVIEW

330104-08-16-10-02-00 provides non-contacting shaft vibration or position measurement with an armored metric probe for a matched Bently Nevada 3300 XL 8 mm Proximity Transducer System installation.

Exact article identity 330104-08-16-10-02-00

3300 XL 8 mm Armored Proximity Probe

Documented role: non-contacting shaft vibration or position measurement with an armored metric

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES					
1	Bently Nevada 330910-00-05-50-02-00	2	Bently Nevada 330909-00-60-10-01-05	3	Bently Nevada 330103-00-06-50-02-00
4	Bently Nevada 330101-37-57-10-02-05	5	Bently Nevada 330102-00-40-05-01-05	6	Bently Nevada 330130-080-02-05
7	Bently Nevada 330104-00-08-10-02-05	8	Bently Nevada 330930-065-01-05	9	Bently Nevada 330708-00-10-90-02-00

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	330104
Mounting thread	M10 x 1
Armor	Stainless-steel armor
Unthreaded length	80 mm
Overall case length	160 mm
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc
Connector protector	Not included

PARAMETER	VALUE
Cable	Standard cable
Approval option	No approvals
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
Maximum connector torque	0.565 N m

RELATED PRODUCT PAGES

- 1

Bently Nevada
330910-00-05-50-02-00
- 2

Bently Nevada
330909-00-60-10-01-05
- 3

Bently Nevada
330103-00-06-50-02-00
- 4

Bently Nevada
330101-37-57-10-02-05
- 5

Bently Nevada
330102-00-40-05-01-05
- 6

Bently Nevada 330130-080-02-05
- 7

Bently Nevada
330104-00-08-10-02-05
- 8

Bently Nevada 330930-065-01-05
- 9

Bently Nevada
330708-00-10-90-02-00

TECHNICAL NOTE

Install 330104-08-16-10-02-00 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 or position measurement with an armored metric probe under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores non-contacting shaft vibration or position measurement with an armored metric probe in the documented monitoring architecture.

3300 XL 8 mm Armored Proximity Probe replacement

Uses exact 330104-08-16-10-02-00 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 330104-08-16-10-02-00 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 or position measurement with an armored metric probe before service release.

RELATED APTER POWER PAGES

1 Bently Nevada
330910-00-05-50-02-00

2 Bently Nevada
330909-00-60-10-01-05

3 Bently Nevada
330103-00-06-50-02-00

4 Bently Nevada
330101-37-57-10-02-05

5 Bently Nevada
330102-00-40-05-01-05

6 Bently Nevada 330130-080-02-05

7 Bently Nevada
330104-00-08-10-02-05

8 Bently Nevada 330930-065-01-05

9 Bently Nevada
330708-00-10-90-02-00

ENGINEER FAQ

Q1

Why is the 330104 base model metric?

It has an M10 x 1 case with stainless-steel armor.

Q2

What does the 08 section specify?

An 80 mm unthreaded section.

Q3

Which length is the 16 case option?

A 160 mm overall probe case.

Q4

How much cable is attached?

The 10 option provides a 1.0 m total probe length.

Q5

Is a ClickLoc protector supplied?

No. Option 02 is the standard-cable ClickLoc without a protector.

Q6

Are approvals selected by the final 00?

No. That option does not add agency approvals.

Q7

What initial gap fits the 8 mm system?

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

Q8

What span and scale apply when matched?

A 2.0 mm linear range and 7.87 V/mm nominal scale factor.

RELATED APTER POWER PAGES

1

Bently Nevada
330910-00-05-50-02-00

2

Bently Nevada
330909-00-60-10-01-05

3

Bently Nevada
330103-00-06-50-02-00

4

Bently Nevada
330101-37-57-10-02-05

5

Bently Nevada
330102-00-40-05-01-05

6

Bently Nevada 330130-080-02-05

7

Bently Nevada
330104-00-08-10-02-05

8

Bently Nevada 330930-065-01-05

9

Bently Nevada
330708-00-10-90-02-00

SOURCE

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com