

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.

ORDER-CODE DETAIL	VERIFIED VALUE
Base model	330104
Mounting thread	M10 x 1
Armor	Stainless-steel armor
Unthreaded length	80 mm

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IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Part number	330104-08-16-10-02-00
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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.

FUNCTION 1
Exact article identity 330104-08-16-10-02-00

FUNCTION 2
3300 XL 8 mm Armored Proximity Probe

FUNCTION 3
Documented role: non-contacting shaft vibration or position measurement with an armored metric probe

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1 Bently Nevada 330101-00-16-10-02-00

2 Bently Nevada 330101-00-12-10-02-00

3 Bently Nevada 330101-00-08-10-02-05

4 Bently Nevada 330101-00-08-10-02-00

5 Bently Nevada 330101-00-08-05-02-00

6 Bently Nevada 330130-070-00-05

7 Bently Nevada 330130-040-03-00

8 Bently Nevada 330130-035-00-05

9 Bently Nevada 330130-080-13-05

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 XL 8 mm Proximity Transducer System
02	Matched Bently Nevada host module, Proximitor Sensor or rack position
03	Documented wiring, cable route, connectors, shields and grounding
04	Approved configuration and controlled acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Interface role	non-contacting shaft vibration or position measurement with an armored metric probe
Field / power context	documented machinery-monitoring rack or matched transducer-loop position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Base model	330104	Cable	Standard cable
Mounting thread	M10 x 1	Approval option	No approvals
Armor	Stainless-steel armor	System linear range	2.0 mm
Unthreaded length	80 mm	Incremental scale factor	7.87 V/mm
Overall case length	160 mm	Recommended gap	1.27 mm
Total probe length	1.0 m	Minimum cable bend radius	25.4 mm
Connector	Miniature coaxial ClickLoc	Maximum connector torque	0.565 N m
Connector protector	Not included		

RELATED PRODUCT PAGES		
1 Bently Nevada 330101-00-16-10-02-00	2 Bently Nevada 330101-00-12-10-02-00	3 Bently Nevada 330101-00-08-10-02-05
4 Bently Nevada 330101-00-08-10-02-00	5 Bently Nevada 330101-00-08-05-02-00	6 Bently Nevada 330130-070-00-05
7 Bently Nevada 330130-040-03-00	8 Bently Nevada 330130-035-00-05	9 Bently Nevada 330130-080-13-05

ENGINEERING BOUNDARY

Confirm 330104-08-16-10-02-00, its matched Bently Nevada 3300 XL 8 mm Proximity Transducer System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

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.

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330104-08-16-10-02-00 recorded
Host / carrier	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms non-contacting shaft vibration or position measurement with an armored metric probe

IMPORTANT NOTICE

Confirm 330104-08-16-10-02-00, its matched Bently Nevada 3300 XL 8 mm Proximity Transducer System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330101-00-16-10-02-00

View Bently Nevada 330101-00-16-10-02-00 page

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Bently Nevada 330101-00-12-10-02-00

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Bently Nevada 330130-080-13-05

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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.