

330100-50-02

3300 XL 8 mm Proximitior Sensor

The Proximitior Sensor conditions the matched 8 mm probe signal for a machinery-monitoring input.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330100-50-02

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PRODUCT OVERVIEW

The Proximator Sensor conditions the matched 8 mm probe signal for a machinery-monitoring input.

- 1 Provides the documented 3300 XL 8 mm Proximator Sensor function
- 2 Maintains the engineered signal or power path
- 3 Integrates with the specified host and companion hardware
- 4 Supports controlled diagnostics and functional verification

SYSTEM COMPONENTS

Documented host position and companion hardware

Approved field or control wiring arrangement

Recorded connector, shield and grounding system

Configured monitor, controller or protection channel

TECHNICAL NOTE

Install 330100-50-02 only in the documented 3300 XL 8 mm Proximity Transducer System position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

TECHNICAL DATA

PARAMETER	VALUE
Complete catalog number	330100-50-02
System family	3300 XL 8 mm
System length order code	50
Option code	02
System linear range	2.0 mm (80 mils)

PARAMETER	VALUE
Incremental scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz, +0/-3 dB
Supply voltage	-17.5 to -26 V DC
Supply current	12 mA maximum
Output resistance	50 Ohm

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page
330103-00-16-10-02-05	3300 XL 8 mm metric proximity probe	View 330103-00-16-10-02-05 page
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximitar Sensor	View 330850-50-00 page
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

3300 XL 8 mm Proximity Transducer System installed-base service

Provides the documented 3300 XL 8 mm Proximity Sensor function

3300 XL 8 mm Proximity Transducer System compatibility review

Maintains the engineered signal or power path

3300 XL 8 mm Proximity Transducer System installation planning

Integrates with the specified host and companion hardware

3300 XL 8 mm Proximity Transducer System controlled commissioning

Supports controlled diagnostics and functional verification

PRODUCT PRECAUTIONS

- 1 Verify the complete 330100-50-02 marking and installed position before work.
- 2 Place the connected equipment in the approved maintenance state.
- 3 Isolate applicable power and signal energy before disconnecting wiring.
- 4 Use ESD controls and protect connectors from contamination or damage.
- 5 Record as-found cable, terminal, shield and grounding identity.
- 6 Restore only the approved system configuration for this exact catalog number.
- 7 Inspect mechanical mounting and cable support before energization.
- 8 Complete controlled diagnostics and a functional response test before release.

ENGINEER FAQ

Q1 Does 330100-50-02 match Documented host position and companion hardware in a 3300 XL 8 mm Proximity Transducer System installed-base service installation?

Verify the complete 330100-50-02 marking, the documented 3300 XL 8 mm Proximity Transducer System position and the installed Documented host position and companion hardware before fitting the assembly.

Q3 Which 3300 XL 8 mm Proximity Transducer System records should be captured before removing 330100-50-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330100-50-02 before disconnection.

Q5 Which Approved field or control wiring arrangement condition should be checked when 330100-50-02 reports an abnormal state?

Check the Approved field or control wiring arrangement supply, seating and connection first, then compare channel diagnostics with the recorded 330100-50-02 baseline.

Q7 What maintenance evidence is required after 330100-50-02 is used for 3300 XL 8 mm Proximity Transducer System installation planning?

Retain the nameplate record, corrective action, final diagnostics and a controlled 3300 xl 8 mm proximity transducer system installation planning functional-test result for 330100-50-02.

Q2 How should 330100-50-02 be wired when it must provides the documented 3300 xl 8 mm proximitor sensor function?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330100-50-02; then continuity-test the affected path.

Q4 What controlled test confirms that 330100-50-02 can maintains the engineered signal or power path?

Apply the approved field or simulated stimulus, observe the 3300 XL 8 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330100-50-02 be moved directly into 3300 XL 8 mm Proximity Transducer System compatibility review without validating Configured monitor, controller or protection channel?

No. Confirm the Configured monitor, controller or protection channel, revision, connection scheme and 3300 XL 8 mm Proximity Transducer System configuration before transferring 330100-50-02 to that duty.

Q8 How should 330100-50-02 be returned to service in 3300 XL 8 mm Proximity Transducer System controlled commissioning?

Restore power under control, verify integrates with the specified host and companion hardware, exercise the intended signal path and release 330100-50-02 only after the 3300 XL 8 mm Proximity Transducer System remains in its approved operating state.

SOURCE Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AM

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