

330850-50-00

3300 XL 25 mm Proximitior Sensor

Bently Nevada 330850-50-00 is a panel-mounted 3300 XL 25 mm Proximitior Sensor for a 5 m system. It conditions the matched probe signal for large displacement monitoring.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 25 mm Proximity Transducer System

PART

330850-50-00

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PRODUCT OVERVIEW

Bently Nevada 330850-50-00 is a panel-mounted 3300 XL 25 mm Proximity Sensor for a 5 m system. It conditions the matched probe signal for large displacement monitoring.

1

Drives a matched 25 mm proximity probe

2

Linearizes the large-range eddy-current displacement signal

3

Supplies a conditioned voltage to a compatible monitor input

4

Provides the matched electronic element for the configured five-metre system

SYSTEM COMPONENTS

3300 XL 25 mm probe

matched extension cable

compatible displacement monitor

panel mounting hardware

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL proximity probe	Open product page
200150-09-CN	General-purpose accelerometer	Open product page

TECHNICAL DATA

PARAMETER	VALUE
System length	5.0 m
Mounting	Panel mount

PARAMETER	VALUE
Agency approval option	None

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	3300 XL 25 mm probe
Companion hardware	matched extension cable
Field connection	compatible displacement monitor
Primary system function	Drives a matched 25 mm proximity probe
Controlled acceptance duty	Turbine differential expansion

TECHNICAL NOTE

Mount 330850-50-00 on the panel with its specified clearance, match the 25 mm probe and cable to a 5 m system, and verify supply, gap, scale, polarity, and full travel.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Turbine differential expansion

Drives a matched 25 mm proximity probe

Large axial-position measurement

Linearizes the large-range eddy-current displacement signal

Valve-position displacement monitoring

Supplies a conditioned voltage to a compatible monitor input

Machine structural movement measurement

Provides the matched electronic element for the configured five-metre system

PRODUCT PRECAUTIONS

- 1 Verify 330850-50-00 and the 5 m panel-mount execution.
- 2 Isolate the monitor and Proximitor power before wiring work.
- 3 Record probe, extension-cable, and monitor terminal identities.
- 4 Use only matched 25 mm transducer-system components.
- 5 Maintain panel clearance and grounding practice.
- 6 Confirm supply polarity and field-wiring shield termination.
- 7 Sweep the target through the commissioned measurement range.
- 8 Verify scale, gap, alarms, and full mechanical clearance.

ENGINEER FAQ

Q1 Which configuration check is essential when commissioning 330850-50-00?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q3 What should be checked if 330850-50-00 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q5 What commissioning evidence should be retained for 330850-50-00?

Retain the full 330850-50-00 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.

Q7 How should the field connections for 330850-50-00 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 330850-50-00.

Q2 How can an engineer function-test 330850-50-00 after installation?

Apply a controlled input, reference, or limited output appropriate to 3300 xl 25 mm proximitor sensor, observe the system indication and diagnostics, and confirm the intended process response.

Q4 Can 330850-50-00 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q6 Which installed hardware must be matched before fitting 330850-50-00?

Match the complete 330850-50-00 marking to 3300 XL 25 mm probe and matched extension cable, then confirm the assigned 3300 XL 25 mm Proximity Transducer System position and approved system configuration.

Q8 What isolation is required before installing 330850-50-00?

Place turbine differential expansion in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.