

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 25 mm Proximity Transducer System
Part number	330850-50-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



2

Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
System length	5.0 m
Mounting	Panel mount
Agency approval option	None

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

3

System Role and Architecture

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

FUNCTION 1

Drives a matched 25 mm proximity probe

FUNCTION 2

Linearizes the large-range eddy-current displacement signal

FUNCTION 3

Supplies a conditioned voltage to a compatible monitor input

FUNCTION 4

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

Matched system components

- 3300 XL 25 mm probe
- matched extension cable
- compatible displacement monitor
- panel mounting hardware

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

4

Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330850-50-00 / 330850-50-00 recorded
Physical interface	3300 XL 25 mm probe
Companion check	matched extension cable
Functional proof	Drives a matched 25 mm proximity probe
Application test	Turbine differential expansion

5

Engineering 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.

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

MANUFACTURER SOURCE RECORD

3300 XL 25 mm Proximity Transducer System Datasheet
163236

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

