

INDUSTRIAL AUTOMATION PRODUCT

330881-16-04-138-03-02

PROXPAC XL 8 mm Proximity Transducer Assembly

Bently Nevada 330881-16-04-138-03-02 is a configured PROXPAC XL 8 mm proximity transducer assembly. It measures shaft-to-bearing displacement and presents the conditioned proximity signal to a machinery-monitoring channel.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	PROXPAC XL Proximity Transducer Assembly
Part number	330881-16-04-138-03-02
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

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

PARAMETER	VALUE
Probe system	3300 XL 8 mm
Approval option	Without approvals
Standoff adapter	40 mm
Probe penetration	138 mm
Conduit fitting arrangement	One M20 fitting; two plugs
Mounting thread	3/4-14 NPT
Linear range	2 mm
Linear range limits	0.25 to 2.3 mm
Recommended gap	1.27 mm
Incremental scale factor	7.87 V/mm +/-5%

PARAMETER	VALUE
Frequency response	0 to 10 kHz, +0/-3 dB
Proximitors supply	-17.5 to -26 Vdc; 12 mA maximum
Output resistance	50 Ohm
Probe DC resistance	7.59 +/-0.50 Ohm
Field wiring	0.2 to 1.5 mm ² ; 305 m maximum
Housing rating	Type 4X; IP66
Housing material	Glass-reinforced conductive PPS
Probe cable	1 m; 75 Ohm triaxial; FEP insulated
Probe operating temperature	-52 to +177 degC
Housing operating temperature	-52 to +100 degC

VERIFIED PRODUCT RECORD

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Integrated 3300 XL Proximitors Sensor
Companion hardware	3300 XL 8 mm probe
Field connection	machinery monitor input
Primary system function	Combines a 3300 XL probe and Proximitors Sensor in one field housing
Controlled acceptance duty	Externally adjustable radial-vibration probe station

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System Role and Architecture

Bently Nevada 330881-16-04-138-03-02 is a configured PROXPAC XL 8 mm proximity transducer assembly. It measures shaft-to-bearing displacement and presents the conditioned proximity signal to a machinery-monitoring channel.

FUNCTION 1

Combines a 3300 XL probe and Proximitior Sensor in one field housing

FUNCTION 2

Provides external probe insertion and gap adjustment at the machine case

FUNCTION 3

Eliminates the separate extension cable between probe and Proximitior Sensor

FUNCTION 4

Connects field wiring directly from the assembly to the monitor channel

Matched system components

- Integrated 3300 XL Proximitior Sensor
- 3300 XL 8 mm probe
- machinery monitor input
- AISI 4140 or approved machine target

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Integrated 3300 XL Proximitior Sensor
Companion hardware	3300 XL 8 mm probe
Field connection	machinery monitor input
Primary system function	Combines a 3300 XL probe and Proximitior Sensor in one field housing
Controlled acceptance duty	Externally adjustable radial-vibration probe station

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Applications and Engineering Context

Externally adjustable radial-vibration probe station

Combines a 3300 XL probe and Proximitior Sensor in one field housing

Axial-position monitoring at a machine casing

Provides external probe insertion and gap adjustment at the machine case

Severe-environment proximity measurement

Eliminates the separate extension cable between probe and Proximitior Sensor

Machinery retrofit without a separate Proximitior housing

Connects field wiring directly from the assembly to the monitor channel

TECHNICAL NOTE

Install the 3/4-14 NPT assembly with the specified 40 mm standoff and 138 mm penetration, then set gap and verify polarity, scale and monitor response before enabling alarms.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330881-16-04-138-03-02 / 330881-16-04-138-03-02 recorded
Physical interface	Integrated 3300 XL Proximitior Sensor
Companion check	3300 XL 8 mm probe
Functional proof	Combines a 3300 XL probe and Proximitior Sensor in one field housing
Application test	Externally adjustable radial-vibration probe station

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Engineering Precautions

1

Verify the complete 330881-16-04-138-03-02 ordering code before disturbing the housing.

2

Place the monitored machine and protection channel in the approved maintenance state.

3

Confirm the 138 mm penetration preserves shaft clearance through the operating range.

4

Protect the PPS housing, probe tip and ClickLoc connection from impact and contamination.

5

Seal the M20 fitting and both unused conduit entries to retain the enclosure rating.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	Open product page
330130-045-00-00	3300 XL standard extension cable	Open product page
330171-00-12-50-01-05	3300 XL 5 mm proximity probe	Open product page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	Open product page

MANUFACTURER SOURCE RECORD

PROXPAC XL Proximity Transducer Assembly Datasheet
178554 Rev. E

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