

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.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

PROXPAC XL Proximity Transducer Assembly

PART

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PRODUCT OVERVIEW

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.

- 1

Combines a 3300 XL probe and Proximitor Sensor in one field housing
- 2

Provides external probe insertion and gap adjustment at the machine case
- 3

Eliminates the separate extension cable between probe and Proximitor Sensor
- 4

Connects field wiring directly from the assembly to the monitor channel

SYSTEM COMPONENTS

Integrated 3300 XL Proximitor Sensor

3300 XL 8 mm probe

machinery monitor input

AISI 4140 or approved machine target

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

TECHNICAL DATA

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

PARAMETER	VALUE
Frequency response	0 to 10 kHz, +0/-3 dB
Proximator 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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Externally adjustable radial-vibration probe station

Combines a 3300 XL probe and Proximitor 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 Proximitor Sensor

Machinery retrofit without a separate Proximitor housing

Connects field wiring directly from the assembly to the monitor channel

PRODUCT 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.
- 6 Maintain the documented field-wire shield and grounding arrangement.
- 7 Set the probe inside the published linear region and record final gap voltage.
- 8 Prove shaft-motion polarity, dynamic response and alarm action before return to service.

ENGINEER FAQ

Q1 Does 330881-16-04-138-03-02 match Integrated 3300 XL Proximito Sensor in a Externally adjustable radial-vibration probe station installation?

Verify the complete 330881-16-04-138-03-02 marking, the documented PROXPAC XL Proximity Transducer Assembly position and the installed Integrated 3300 XL Proximito Sensor before fitting the assembly.

Q3 Which PROXPAC XL Proximity Transducer Assembly records should be captured before removing 330881-16-04-138-03-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330881-16-04-138-03-02 before disconnection.

Q5 Which 3300 XL 8 mm probe condition should be checked when 330881-16-04-138-03-02 reports an abnormal state?

Check the 3300 XL 8 mm probe supply, seating and connection first, then compare channel diagnostics with the recorded 330881-16-04-138-03-02 baseline.

Q7 What maintenance evidence is required after 330881-16-04-138-03-02 is used for Severe-environment proximity measurement?

Retain the nameplate record, corrective action, final diagnostics and a controlled severe-environment proximity measurement functional-test result for 330881-16-04-138-03-02.

Q2 How should 330881-16-04-138-03-02 be wired when it must combines a 3300 xl probe and proximito sensor in one field housing?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330881-16-04-138-03-02; then continuity-test the affected path.

Q4 What controlled test confirms that 330881-16-04-138-03-02 can provides external probe insertion and gap adjustment at the machine case?

Apply the approved field or simulated stimulus, observe the PROXPAC XL Proximity Transducer Assembly indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330881-16-04-138-03-02 be moved directly into Axial-position monitoring at a machine casing without validating AISI 4140 or approved machine target?

No. Confirm the AISI 4140 or approved machine target, revision, connection scheme and PROXPAC XL Proximity Transducer Assembly configuration before transferring 330881-16-04-138-03-02 to that duty.

Q8 How should 330881-16-04-138-03-02 be returned to service in Machinery retrofit without a separate Proximito housing?

Restore power under control, verify eliminates the separate extension cable between probe and proximito sensor, exercise the intended signal path and release 330881-16-04-138-03-02 only after the PROXPAC XL Proximity Transducer Assembly remains in its approved operating state.