

APTER POWER

COMPLETE PRODUCT INFORMATION

330881-16-00-307-06-02

PROXPAC XL 8 mm proximity transducer assembly

Conditioned 3300 XL proximity output from the embedded Proximitor Sensor to the monitor

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

PROXPAC XL Proximity Transducer Assembly

PART

330881-16-00-307-06-02

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PRODUCT OVERVIEW

Conditioned 3300 XL proximity output from the embedded Proximity Sensor to the monitor

1

Sets the documented probe penetration to 30.7 in (780 mm)

2

Integrates sensing and signal-conditioning hardware in one housing

3

Provides the selected NPT fitting and reducer arrangement

4

Supports external probe adjustment in an exposed machine location

SYSTEM COMPONENTS

embedded 3300 XL Proximity Sensor

machine-case mounting boss

three-conductor shielded field cable

compatible monitor channel

TECHNICAL NOTE

Confirm the complete 330881-16-00-307-06-02 code, 30.7 in (780 mm) sleeve penetration, 3/4-14 NPT mounting and fitting orientation before closing the cover and proving enclosure integrity.

TECHNICAL DATA

PARAMETER	VALUE
Assembly model	330881
Probe	3300 XL 8 mm
Approval option	Without approvals
Standoff adapter	None
Probe penetration	30.7 in (780 mm)
Fittings	One 3/4-14 NPT fitting; one 3/4-to-1/2 NPT SST reducer; two plugs
Mounting thread	3/4-14 NPT
Housing rating	IP66; Type 4X

PARAMETER	VALUE
Housing material	UV-resistant glass-reinforced conductive PPS
Power without barriers	-17.5 to -26 V DC; 12 mA maximum
Power with barriers	-23 to -26 V DC
Supply sensitivity	<2 mV/V
Output resistance	50 Ohm
Field-wire conductor range	0.2 to 1.5 mm2 (16 to 24 AWG)
Maximum field-wire length	305 m (1000 ft)
Linear range	2.0 mm (80 mils)

ENGINEERING NOTE

Confirm the complete 330881-16-00-307-06-02 code, 30.7 in (780 mm) sleeve penetration, 3/4-14 NPT mounting and fitting orientation before closing the cover and proving enclosure integrity.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3300-30	Related Bently Nevada product	View 3300-30 page
330103-05-10-02-00	Related Bently Nevada product	View 330103-05-10-02-00 page
901100-90-03	Related Bently Nevada product	View 901100-90-03 page
330130-080-01-00	Related Bently Nevada product	View 330130-080-01-00 page
330101-00-28-10-02-05	Related Bently Nevada product	View 330101-00-28-10-02-05 page
330104-00-06-10-11-00	Related Bently Nevada product	View 330104-00-06-10-11-00 page
330104-00-11-10-02-05	Related Bently Nevada product	View 330104-00-11-10-02-05 page
330104-00-04-10-02-05	Related Bently Nevada product	View 330104-00-04-10-02-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Harsh-area radial vibration

Sets the documented probe penetration to 30.7 in (780 mm)

Externally adjustable axial position

Integrates sensing and signal-conditioning hardware in one housing

Remote monitor-cabinet wiring

Provides the selected NPT fitting and reducer arrangement

PROXPAC assembly renewal

Supports external probe adjustment in an exposed machine location

PRODUCT PRECAUTIONS

- 1 Verify 330881-16-00-307-06-02 and the 30.7 in (780 mm) penetration before work.
- 2 Place the machine and protection channel in the approved maintenance state.
- 3 Preserve the 3/4-14 NPT mounting thread and machine-case sealing surface.
- 4 Label power, common, signal and shield conductors before disconnecting the field cable.
- 5 Protect the conductive housing, gasket, probe tip and internal electronics from damage.
- 6 Confirm target material and monitor scaling before setting the external probe adjustment.
- 7 Seal the selected fitting and reducer arrangement without transferring conduit load to the housing.
- 8 Verify supply, gap voltage, dynamic response, alarms and cover closure before service.

ENGINEER FAQ

Q1 Does 330881-16-00-307-06-02 match embedded 3300 XL Proximator Sensor in a Harsh-area radial vibration installation?

Verify the complete 330881-16-00-307-06-02 marking, the documented PROXPAC XL Proximity Transducer Assembly position and the installed embedded 3300 XL Proximator Sensor before fitting the assembly.

Q3 Which PROXPAC XL Proximity Transducer Assembly records should be captured before removing 330881-16-00-307-06-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330881-16-00-307-06-02 before disconnection.

Q5 Which machine-case mounting boss condition should be checked when 330881-16-00-307-06-02 reports an abnormal state?

Check the machine-case mounting boss supply, seating and connection first, then compare channel diagnostics with the recorded 330881-16-00-307-06-02 baseline.

Q7 What maintenance evidence is required after 330881-16-00-307-06-02 is used for Remote monitor-cabinet wiring?

Retain the nameplate record, corrective action, final diagnostics and a controlled remote monitor-cabinet wiring functional-test result for 330881-16-00-307-06-02.

Q2 How should 330881-16-00-307-06-02 be wired when it must sets the documented probe penetration to 30.7 in (780 mm)?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330881-16-00-307-06-02; then continuity-test the affected path.

Q4 What controlled test confirms that 330881-16-00-307-06-02 can integrates sensing and signal-conditioning hardware in one housing?

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 330881-16-00-307-06-02 be moved directly into Externally adjustable axial position without validating compatible monitor channel?

No. Confirm the compatible monitor channel, revision, connection scheme and PROXPAC XL Proximity Transducer Assembly configuration before transferring 330881-16-00-307-06-02 to that duty.

Q8 How should 330881-16-00-307-06-02 be returned to service in PROXPAC assembly renewal?

Restore power under control, verify provides the selected npt fitting and reducer arrangement, exercise the intended signal path and release 330881-16-00-307-06-02 only after the PROXPAC XL Proximity Transducer Assembly remains in its approved operating state.

SOURCE Bently Nevada PROXPAC XL Proximity Transducer Assembly Datasheet | 178554 Rev. E

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