

APTER POWER

COMPLETE PRODUCT INFORMATION

330880-00-00-000-03-02

PROXPAC XL spare proximity transducer housing with Proximitor Sensor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

PROXPAC XL Proximity Transducer Assembly

PART

330880-00-00-000-03-02

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PRODUCT OVERVIEW

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

- 1 Supplies the PROXPAC housing without a probe or sleeve
- 2 Integrates the Proximitor Sensor inside an IP66 enclosure
- 3 Includes the selected NPT fitting and reducer kit
- 4 Provides direct three-conductor field wiring to the monitor

SYSTEM COMPONENTS

Compatible 3300 XL 8 mm probe and sleeve

Machine-case mounting boss

Three-conductor shielded field cable

Bently Nevada monitor channel

TECHNICAL NOTE

Confirm the no-probe/no-sleeve build, 3/4-14 NPT mounting, fitting kit and installed probe-system calibration before closing the housing and proving IP66 integrity.

TECHNICAL DATA

PARAMETER	VALUE
Assembly model	330880
Probe option	No probe
Proximitior Sensor approval	Without approvals
Standoff adapter	None
Probe sleeve	None
Fittings kit	One 3/4-14 NPT fitting; one 3/4-to-1/2 NPT reducer; two plugs
Mounting thread	3/4-14 NPT
Housing rating	IP66; Type 4X
Housing material	UV-resistant glass-reinforced conductive PPS

PARAMETER	VALUE
Power without barriers	-17.5 to -26 V DC; 12 mA maximum
Power with barriers	-23 to -26 V DC
Output resistance	50 Ohm
Field-wire conductor range	0.2 to 1.5 mm ² (16 to 24 AWG)
Maximum field-wire length	305 m (1000 ft)
Linear range	2 mm (80 mils)
Recommended gap	1.27 mm (50 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz; +0/-3 dB

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-00-06-05-01-CN	Related Bently Nevada product	View 330103-00-06-05-01-CN page
21000-16-05-00-050-04-02	Related Bently Nevada product	View 21000-16-05-00-050-04-02 page
21000-16-05-00-033-04-02	Related Bently Nevada product	View 21000-16-05-00-033-04-02 page
24710-080-00	Related Bently Nevada product	View 24710-080-00 page
330903-03-11-05-02-05	Related Bently Nevada product	View 330903-03-11-05-02-05 page
330102-00-40-10-01-05	Related Bently Nevada product	View 330102-00-40-10-01-05 page
330104-01-04-15-02-05	Related Bently Nevada product	View 330104-01-04-15-02-05 page
330101-00-52-05-01-05	Related Bently Nevada product	View 330101-00-52-05-01-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Harsh-area radial vibration

Supplies the PROXPAC housing without a probe or sleeve

Externally adjustable axial position

Integrates the Proximitar Sensor inside an IP66 enclosure

Remote monitor-cabinet wiring

Includes the selected NPT fitting and reducer kit

PROXPAC housing renewal

Provides direct three-conductor field wiring to the monitor

PRODUCT PRECAUTIONS

- 1 Verify the complete 330880-00-00-000-03-02 code and installed housing arrangement before work.
- 2 Place the machine and protection channel in the approved maintenance state.
- 3 Confirm the 3/4-14 NPT mounting interface and preserve the machine-case sealing surface.
- 4 Isolate the negative DC supply and label power, common and signal conductors before removal.
- 5 Protect the conductive PPS cover, internal Proximitar Sensor and gasket surfaces from damage.
- 6 Install only the matched 3300 XL probe and sleeve hardware from the documented machine arrangement.
- 7 Torque and seal the selected fitting/reducer kit and restore the enclosure without trapping cable stress.
- 8 Verify supply, gap voltage, dynamic response, monitor alarms and housing closure before service.

ENGINEER FAQ

Q1 Does 330880-00-00-000-03-02 match Compatible 3300 XL 8 mm probe and sleeve in a Harsh-area radial vibration installation?

Verify the complete 330880-00-00-000-03-02 marking, the documented PROXPAC XL Proximity Transducer Assembly position and the installed Compatible 3300 XL 8 mm probe and sleeve before fitting the assembly.

Q3 Which PROXPAC XL Proximity Transducer Assembly records should be captured before removing 330880-00-00-000-03-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330880-00-00-000-03-02 before disconnection.

Q5 Which Machine-case mounting boss condition should be checked when 330880-00-00-000-03-02 reports an abnormal state?

Check the Machine-case mounting boss supply, seating and connection first, then compare channel diagnostics with the recorded 330880-00-00-000-03-02 baseline.

Q7 What maintenance evidence is required after 330880-00-00-000-03-02 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 330880-00-00-000-03-02.

Q2 How should 330880-00-00-000-03-02 be wired when it must supplies the proxpac housing without a probe or sleeve?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330880-00-00-000-03-02; then continuity-test the affected path.

Q4 What controlled test confirms that 330880-00-00-000-03-02 can integrates the proximitor sensor inside an ip66 enclosure?

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 330880-00-00-000-03-02 be moved directly into Externally adjustable axial position without validating Bently Nevada monitor channel?

No. Confirm the Bently Nevada monitor channel, revision, connection scheme and PROXPAC XL Proximity Transducer Assembly configuration before transferring 330880-00-00-000-03-02 to that duty.

Q8 How should 330880-00-00-000-03-02 be returned to service in PROXPAC housing renewal?

Restore power under control, verify includes the selected npt fitting and reducer kit, exercise the intended signal path and release 330880-00-00-000-03-02 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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