

APTER POWER INSTALLATION AND APPLICATION GUIDE

330881-16-10-100-03-02

Field planning for PROXPAC XL Proximity Transducer Assembly

This is a PROXPAC XL proximity transducer assembly that combines a 3300 XL Proximitor Sensor with a protected probe housing in one compact field assembly.

It converts the eddy-current probe response into a machinery-monitoring signal for shaft position and vibration duties while protecting the sensor connection in severe service locations.

Document field	Value
Manufacturer	Bently Nevada
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

330881-16-10-100-03-02

1. Signal Path and System Function

330881-16-10-100-03-02 provides a protected mechanical path for positioning the proximity sensing assembly at the rotating-machine measurement point. Its configuration controls probe support, penetration and cable enclosure.

Configured Hardware Chain

- 1

Configured proximity probe
- 2

Specified sleeve or housing interface
- 3

Conduit fitting and plug arrangement
- 4

Machine casing or bracket prepared for the assembly

Signal Objective

It converts the eddy-current probe response into a machinery-monitoring signal for shaft position and vibration duties while protecting the sensor connection in severe service locations.

2. Mechanical and Electrical Planning

Model-Specific Planning Data

Planning item	Configured value
Probe family	3300 XL 8 mm
Standoff adapter	100 mm
Probe penetration	100 mm
Fittings	1 x M20; 2 plugs
Outer sleeve	3/4-14 NPT

Fit and Route Review

- Verify the sleeve interface and available housing depth before positioning the probe tip relative to the target.
- Keep the complete 330881-16-10-100-03-02 identifier with the installation record.
- Confirm the selected companion components before field assembly.
- Reserve access for connector inspection and baseline measurements.

3. Installation and Commissioning Sequence

- 1

Confirm the complete 330881-16-10-100-03-02 housing configuration.
- 2

Measure available depth from the mounting face to the target.
- 3

Assemble fittings and plugs in the specified orientation.
- 4

Set probe penetration before final gap adjustment.
- 5

Inspect enclosure sealing and signal response before operation.

Commissioning Record

Record field	Entry
Model	330881-16-10-100-03-02
Measurement point	Machine tag and physical location
Baseline	Gap, acceleration or continuity value as applicable
Release check	Stable signal and secure mechanical installation

4. Diagnostic Checks and Engineer Questions

Diagnostic Checks

- Incorrect penetration: remeasure the full mechanical stack-up.
- Connector exposure: verify housing and conduit sealing.
- Probe movement: inspect locking hardware and mounting torque.
- Unexpected signal offset: confirm final probe gap after housing closure.

Engineering FAQ - Questions 5 to 8

Which fittings is associated with 330881-16-10-100-03-02?

The technical value is 1 x M20; 2 plugs for the fittings of this model.

What companion hardware should be confirmed for 330881-16-10-100-03-02?

Confirm configured proximity probe, specified sleeve or housing interface, conduit fitting and plug arrangement.

What is the first commissioning check for 330881-16-10-100-03-02?

Verify the sleeve interface and available housing depth before positioning the probe tip relative to the target.

Where is 330881-16-10-100-03-02 applied and what signal behavior should the engineer verify?

It is applied around rotating equipment where a protected, self-contained proximity measurement installation is preferred, including turbine, compressor and pump train monitoring points. Verify a stable response at the configured monitoring input before releasing the channel.

Technical Source

PROXPAC XL Proximity Transducer Assembly Datasheet 178554