

APTER POWER PRODUCT TECHNICAL REFERENCE

330780-90-05

3300 XL 11 mm Proximitior Sensor

This is a 3300 XL 11 mm Proximitior Sensor configured for a 9.0 m system and panel mounting.

The sensor conditions the 11 mm proximity probe response for vibration and displacement measurement channels with extended linear measurement capability.

Document field	Value
Manufacturer	Bently Nevada
Prepared by	Apter Power
Document ID	AP-BN-10-330780-90-05-TR-R2
Revision	R2
Issue date	2026-08-31

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

330780-90-05

1. Product Overview and Identity

This is a 3300 XL 11 mm Proximitor Sensor configured for a 9.0 m system and panel mounting.

The sensor conditions the 11 mm proximity probe response for vibration and displacement measurement channels with extended linear measurement capability.

Model Configuration

Field	Verified value
Complete model	330780-90-05
Manufacturer	Bently Nevada
Product description	3300 XL 11 mm Proximitor Sensor

Key Features

- Exact product identifier: 330780-90-05
- It is part of a 3300 XL 11 mm transducer system comprising the matched 11 mm probe, extension cable and Proximitor Sensor. The -05 option corresponds to multiple agency approvals.
- The 11 mm system is selected where a longer linear range than a standard 8 mm system is needed on rotating machinery measurement points.
- Plan panel location and extension-cable routing so the complete 11 mm system length remains 9.0 m.

2. Technical Specifications

Technical data for 330780-90-05 is organized below for engineering review and configuration control.

Parameter	Technical value
System length	9.0 m
Mounting	Panel
Linear range	4.0 mm
Scale factor	3.94 V/mm
Agency approvals	CSA; ATEX; IECEx

Configuration Control

Plan panel location and extension-cable routing so the complete 11 mm system length remains 9.0 m.

3. Functions, Applications and Components

Core Function

330780-90-05 is the signal-conditioning element of the proximity transducer loop. It excites the matched probe and presents the conditioned displacement signal to the machinery monitoring input.

Application Areas

Application	System role
Radial vibration	330780-90-05 supports shaft-motion measurement in the matched proximity loop.
Axial position	The transducer chain can track static movement relative to the probe tip.
Rotating equipment	Typical measurement points occur on turbines, compressors, pumps and motors.
Machinery protection	The conditioned signal is connected to the configured monitor channel.

Compatible Components

- Matched proximity probe from the specified system family
- Extension cable completing the configured electrical length
- DIN or panel hardware defined by the model code
- Monitor channel accepting the conditioned proximity signal

4. Installation Precautions

- Mount 330780-90-05 in the arrangement identified by its configuration.
- Confirm probe and extension cable belong to the correct sensor family.
- Verify total electrical length before applying power.
- Terminate power, common and output conductors at the monitoring panel.

Engineering FAQ - Questions 1 to 4

What engineering function does 330780-90-05 perform in its monitoring loop?

330780-90-05 is the signal-conditioning element of the proximity transducer loop. It excites the matched probe and presents the conditioned displacement signal to the machinery monitoring input.

Which system length applies to 330780-90-05?

The configured system length for 330780-90-05 is 9.0 m.

What mounting must be checked when specifying 330780-90-05?

Use Panel for the mounting when reviewing this complete model.

How does the linear range selection affect 330780-90-05?

This configuration identifies linear range as 4.0 mm; include that value in the installation record.

Manufacturer Technical Source

3300 XL 11 mm Proximity Transducer System Datasheet 146256