

INDUSTRIAL AUTOMATION PRODUCT

330780-90-CN

3300 XL 11 mm Proximitoꖛ Sensor

Bently Nevada 330780-90-CN is a 3300 xl 11 mm proximitoꖛ sensor in the 3300 XL 11 mm Proximity Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330780-90-CN
Product role	3300 XL 11 mm Proximitoꖛ Sensor
System family	3300 XL 11 mm Proximity Transducer System
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Component	Proximitior Sensor
System length	9.0 m
Mounting	Panel mount
Approval	CN country-specific option

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Install 330780-90-CN only with the matched 3300 XL 11 mm Proximity Transducer System components. Use only a probe and extension-cable combination totaling the ordered 9.0 m system length. Record the marking, channel, cable route and target before work, then prove gap voltage and dynamic response before release.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete 330780-90-CN order code from the physical marking.
2	Use only matched 3300 XL 11 mm Proximity Transducer System probe, cable and Proximitior Sensor components.
3	Record the existing gap voltage and monitor-channel setup before disturbing the loop.
4	Protect the probe tip, coaxial connectors and cable from impact or contamination.
5	Observe the documented bend radius and do not twist the integral or extension cable.

System Role and Architecture

Bently Nevada 330780-90-CN is a 3300 xl 11 mm proximitor sensor in the 3300 XL 11 mm Proximity Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

FUNCTION 1
3300 XL 11 mm Proximitor Sensor

FUNCTION 2
9.0 m

FUNCTION 3
Panel mount

FUNCTION 4
CN country-specific option

Common Applications

APPLICATION	ENGINEERING CONTEXT
Radial vibration measurement	Observes shaft-to-probe motion in a matched proximity transducer loop.
Axial position monitoring	Measures controlled thrust or position displacement where the installation geometry is approved.
Keyphasor reference	Supports phase-reference or speed measurement under the manufacturer application guidance.
Machinery protection maintenance	Restores the exact documented component configuration during controlled service work.

CONTROLLED ACCEPTANCE DUTY

Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete 330780-90-CN order code from the physical marking.
2	Use only matched 3300 XL 11 mm Proximity Transducer System probe, cable and Proximitor Sensor components.
3	Record the existing gap voltage and monitor-channel setup before disturbing the loop.
4	Protect the probe tip, coaxial connectors and cable from impact or contamination.
5	Observe the documented bend radius and do not twist the integral or extension cable.
6	Confirm target material and geometry before setting the final gap.
7	Keep connector protection and shielding consistent with the selected order options.
8	Prove static gap, dynamic response and channel alarms before release.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What product family must be matched with 330780-90-CN?	Use only components from the documented 3300 XL 11 mm Proximity Transducer System.
Which order-code identity must be recorded for 330780-90-CN?	Record the complete code, not only the base series number.
What target condition must be verified before gapping 330780-90-CN?	Verify material, surface geometry and the approved measurement location.
What must be preserved before removing 330780-90-CN?	Record gap voltage, channel configuration, cable route and connector condition.

Model-Specific FAQ — Part 2

QUESTION	ANSWER
May its cable be shortened or spliced in service for 330780-90-CN?	No unapproved shortening or splicing should be used; maintain the documented system length.
How should the coaxial connection be protected on 330780-90-CN?	Keep it clean, dry and protected with the documented connector arrangement.
What commissioning checks are required for 330780-90-CN?	Verify identity, continuity, gap voltage, dynamic response and monitor-channel diagnostics.
What evidence should be retained after installing 330780-90-CN?	Retain the order code, installed position, mating components, gap value and functional-test results.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 3300-12-02-20-00	Open product page
Bently Nevada 3300-20	Open product page
Bently Nevada 3300-30	Open product page
Bently Nevada 3300-46-08-02-01-00	Open product page
Bently Nevada 3300-47	Open product page
Bently Nevada 3300-47-xx-xx-01-00	Open product page
Bently Nevada 102044-00-48-10-05	Open product page
Bently Nevada 102045-040-00-05	Open product page

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet
Baker Hughes publication 146256 Rev. T

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