

INDUSTRIAL MACHINERY MONITORING PRODUCT

330180-90-CN

3300 XL 8 mm Proximitior Sensor

Bently Nevada 330180-90-CN is a panel-mount 3300 XL 8 mm Proximitior Sensor for a 9.0 m calibrated system length. Its CN suffix is a country-specific ordering option listed in the manufacturer approval guide.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	330180-90-CN	HS code	8537101190
Product	3300 XL 8 mm Proximitior Sensor	Ship from	Xiamen, Fujian, China
Family	3300 XL 8 mm Proximity Transducer System	Dimensions	

DOCUMENT SCOPE

Exact model identity, supported configuration data, installation checks, applications, precautions and controlled acceptance records.

MODEL-SPECIFIC ENGINEERING NOTE

Mount 330180-90-CN on the documented panel with the required isolation and connect only a probe-plus-extension combination totaling 9 m. Verify supply, field wiring, CN marking, gap voltage and channel scaling before commissioning.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



330180-90-CN

Verified Product Record

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
Component	Proximitior Sensor
System length	9.0 m
Mounting option	Panel mount
Country option	CN
Nominal scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz

Installation Boundary

ENGINEERING BOUNDARY

Mount 330180-90-CN on the documented panel with the required isolation and connect only a probe-plus-extension combination totaling 9 m. Verify supply, field wiring, CN marking, gap voltage and channel scaling before commissioning.

CHECK	REQUIRED RECORD
Identity	330180-90-CN
Installed arrangement	Position, mating hardware, cable and termination
Configuration	Associated module or monitor channel
Acceptance	Diagnostics and controlled functional proof

SOURCE BOUNDARY

Baker Hughes publications 141194 Rev. AM and 108M1756 Rev. AV. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

Bently Nevada 330180-90-CN is a panel-mount 3300 XL 8 mm Proximity Sensor for a 9.0 m calibrated system length. Its CN suffix is a country-specific ordering option listed in the manufacturer approval guide.

IDENTITY
Record 330180-90-CN from the physical marking.

INTERFACE
Document every mating part, connector and cable before disturbance.

CONFIGURATION
Confirm the associated system and channel using manufacturer records.

ACCEPTANCE
Restore the documented arrangement and prove operation before release.

Controlled Installation Checklist

NO.	CHECK
1	Verify the complete 330180-90-CN code and CN approval marking.
2	Use only a probe and extension cable whose combined length is exactly 9 m.
3	Mount the sensor on the documented panel and retain required electrical isolation.
4	Confirm the negative DC supply and common wiring before energizing.
5	Separate field wiring from noise sources and preserve cable shields and connector condition.
6	Set the probe gap within the published 2 mm linear range and confirm nominal scaling.
7	Check the CN option against the actual location and current approval requirements.
8	Record gap voltage, waveform, monitor scaling and protection-channel response before release.

Applications and Model-Specific FAQ

RADIAL VIBRATION SIGNAL CONDITIONING

Converts the matched probe loop into a monitor-compatible voltage.

STATIC SHAFT-POSITION CHANNEL

Provides the conditioned DC gap signal for position measurement.

KEYPHASOR OR SPEED INPUT

Supports reference and speed functions with an appropriate probe target.

PANEL RETROFIT

Restores a documented 9 m panel-mount Proximitor configuration.

QUESTION	ANSWER
Which probe-and-cable combinations may be connected to 330180-90-CN?	Use an 8 mm probe and matching extension cable whose combined electrical length is 9 m.
Where is 330180-90-CN intended to be mounted?	Order code 90 specifies the nine-metre panel-mount Proximitor Sensor configuration.
What scale factor should the monitor use with 330180-90-CN?	The nominal average scale factor is 7.87 V/mm, equivalent to 200 mV/mil.
Which field output from 330180-90-CN represents probe gap?	The conditioned output voltage carries the static gap component and dynamic vibration signal for the connected monitor.
What frequency response should be proven for 330180-90-CN?	The published system response is 0 to 10 kHz within the specified tolerance.
How should radio-frequency interference be controlled around 330180-90-CN?	Use the manufacturer mounting, grounding, shielding and enclosure guidance and verify the installed noise floor.
What does CN require on the acceptance record for 330180-90-CN?	Record the physical country-specific marking and verify its suitability against current site approval requirements.
What is the correct radial-vibration gap target for a loop using 330180-90-CN?	Bias the matched 8 mm loop at approximately -9 V or 1.27 mm, then verify usable linear travel in the real installation.

Precautions and Related Products

NO.	PRECAUTION
1	Verify the complete 330180-90-CN code and CN approval marking.
2	Use only a probe and extension cable whose combined length is exactly 9 m.
3	Mount the sensor on the documented panel and retain required electrical isolation.
4	Confirm the negative DC supply and common wiring before energizing.
5	Separate field wiring from noise sources and preserve cable shields and connector condition.
6	Set the probe gap within the published 2 mm linear range and confirm nominal scaling.
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8	Record gap voltage, waveform, monitor scaling and protection-channel response before release.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
330101-00-26-05-01-05	Bently Nevada machinery-monitoring component	Open
330101-00-28-05-02-00	Bently Nevada machinery-monitoring component	Open
330101-00-28-10-02-05	Bently Nevada machinery-monitoring component	Open
330101-00-28-20-02-CN	Bently Nevada machinery-monitoring component	Open
330101-00-29-10-02-00	Bently Nevada machinery-monitoring component	Open
330101-00-30-10-01-00	Bently Nevada machinery-monitoring component	Open
330101-00-30-10-02-00	Bently Nevada machinery-monitoring component	Open
330101-00-30-10-02-05	Bently Nevada machinery-monitoring component	Open

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes publications 141194 Rev. AM and 108M1756 Rev. AV

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