

INDUSTRIAL AUTOMATION PRODUCT

330180-X1-05 MOD: 145004-132

3300 XL Proximitior Sensor

Bently Nevada 330180-X1-05 MOD: 145004-132 is a marked 3300 XL 8 mm Proximitior Sensor configuration. It conditions the matched proximity-probe signal for static position and dynamic vibration measurement while preserving a nameplate-controlled MOD identity.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330180-X1-05 MOD: 145004-132
Product role	3300 XL Proximitior Sensor
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141194 Rev. AM

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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330180-X1-05 MOD: 145004-132

Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	330180-X1-05 MOD: 145004-132
Manufacturer series	330180 Proximitior Sensor
Compatible probe input	3300-series 5 mm or 3300 XL 8 mm probe and extension cable
Total length / mounting code	X1; resolve from physical nameplate and installed mounting
Agency approval option	05 = multiple approvals; verify installed marking
MOD identity	145004-132; not decoded in publication 141194
Power without barriers	-17.5 to -26 Vdc
Maximum consumption	12 mA
Output resistance	50 ohm
Standard matched-system linear range	2 mm (80 mils)
Nominal scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz, +0/-3 dB, with approved field wiring
Field wiring reach	Up to 305 m under documented conditions
Operating temperature	-52 to +100 deg C

ENGINEERING BOUNDARY

Publication 141194 defines the 330180 family but does not decode MOD 145004-132 or resolve the X1 wildcard. Record the physical nameplate, mounting style and complete probe-plus-extension length; do not infer a MOD function or direct replacement without manufacturer confirmation.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 16925-21	View Bently Nevada 16925-21
Bently Nevada 16925-30	View Bently Nevada 16925-30
Bently Nevada 16925-33	View Bently Nevada 16925-33
Bently Nevada 16925-99	View Bently Nevada 16925-99

System Role and Common Applications

Bently Nevada 330180-X1-05 MOD: 145004-132 is a marked 3300 XL 8 mm Proximito Sensor configuration. It conditions the matched proximity-probe signal for static position and dynamic vibration measurement while preserving a nameplate-controlled MOD identity.

FUNCTION 1
3300 XL 8 mm signal conditioning

FUNCTION 2
2 mm published standard range

FUNCTION 3
Up to 305 m documented field wiring

FUNCTION 4
Nameplate-controlled X1 and MOD identity

APPLICATION	ENGINEERING CONTEXT
Radial vibration conditioning	Converts the matched probe signal for a monitor channel.
Axial position	Provides conditioned displacement output for a thrust channel.
Machine centerline	Supports static position trending with the matched transducer system.
Monitor restoration	Restores a documented conditioning position and bias response.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the entire 330180-X1-05 MOD: 145004-132 marking.
2	Resolve the X1 total-length and mounting configuration from the installed item.
3	Do not assign a function to MOD 145004-132 without manufacturer confirmation.
4	Match the probe and extension cable to the actual Proximitor system length.
5	Provide the documented negative DC supply and observe barrier limits.
6	Preserve 3-conductor shielded field wiring and grounding.
7	Set and record probe gap only after confirming target and travel.
8	Prove static position, dynamic response, polarity and alarm action before release.

QUESTION	ANSWER
What is Bently Nevada 330180-X1-05 MOD: 145004-132?	It is a marked 3300 XL 8 mm Proximitor Sensor configuration with a nameplate-controlled MOD identity.
Which transducer family uses Bently Nevada 330180-X1-05 MOD: 145004-132?	It conditions one supported 3300-series 5 mm or 3300 XL 8 mm probe and extension cable.
What does X1 mean in Bently Nevada 330180-X1-05 MOD: 145004-132?	The official catalog uses the AA block for total system length and mounting; the X1 wildcard must be resolved from the physical nameplate and installed arrangement.
Which approval applies to Bently Nevada 330180-X1-05 MOD: 145004-132?	The 05 suffix identifies the published multiple-approval option; the exact installed approval must be checked against the supplied marking.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 16M1081-01	View Bently Nevada 16M1081-01
Bently Nevada 1701-05	View Bently Nevada 1701-05
Bently Nevada 1701-15	View Bently Nevada 1701-15
Bently Nevada 170180-01-05	View Bently Nevada 170180-01-05
Bently Nevada 170180-02-00	View Bently Nevada 170180-02-00

FAQ, Related Products and Official Sources

QUESTION	ANSWER
What does MOD 145004-132 mean for Bently Nevada 330180-X1-05 MOD: 145004-132?	The current public 141194 ordering table does not decode that MOD; retain it exactly and obtain manufacturer confirmation before substitution.
What power is required by Bently Nevada 330180-X1-05 MOD: 145004-132?	The 3300 XL 8 mm Proximity family requires -17.5 to -26 Vdc without barriers at 12 mA maximum, with the documented barrier range where applicable.
What output characteristics apply to Bently Nevada 330180-X1-05 MOD: 145004-132?	The standard matched family publishes 50 ohm output resistance, a 2 mm linear range and 7.87 V/mm nominal scale factor.
What confirms commissioning of Bently Nevada 330180-X1-05 MOD: 145004-132?	Resolve X1, retain the MOD, match the probe-chain length, then verify supply, gap voltage, polarity and dynamic response.

MODEL	APTER POWER PAGE
Bently Nevada 177230-00-01-05	View Bently Nevada 177230-00-01-05
Bently Nevada 177230-01-01-05	View Bently Nevada 177230-01-01-05
Bently Nevada 177230-01-01-CN	View Bently Nevada 177230-01-01-CN
Bently Nevada 177230-01-02-05	View Bently Nevada 177230-01-02-05
Bently Nevada 177230-01-02-CN	View Bently Nevada 177230-01-02-CN
Bently Nevada 177230-02-01-05	View Bently Nevada 177230-02-01-05
Bently Nevada 18622-030-01	View Bently Nevada 18622-030-01
Bently Nevada 18745-03	View Bently Nevada 18745-03
Bently Nevada 18745-04	View Bently Nevada 18745-04

MANUFACTURER SOURCE RECORDS

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet - Baker Hughes / Bently Nevada publication 141194 Rev. AM

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