

330180-X1-05 MOD:145004-57

Modified Proximitior Sensor

Bently Nevada 330180-X1-05 MOD:145004-57 is a modified 3300 XL 8 mm Proximitior Sensor carrying custom X1 and MOD identities that must remain matched to the installed transducer system.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330180-X1-05 MOD:145004-57

PRODUCT TYPE

Modified Proximitior Sensor

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 330180-X1-05 MOD:145004-57 is a modified 3300 XL 8 mm Proximity Sensor carrying custom X1 and MOD identities that must remain matched to the installed transducer system.

1

Conditions a matched 3300 XL 8 mm transducer signal

2

Retains the supplied X1 custom identity

3

Carries MOD:145004-57

4

Provides the approved monitor interface

SYSTEM COMPONENTS

matched 3300 XL 8 mm probe and extension cable

documented custom mounting and system-length arrangement

approved field wiring

configured monitor channel

TECHNICAL NOTE

X1 and MOD:145004-57 are custom identities; do not infer the system length or mounting from a standard 330180 option table. Verify the nameplate and controlled drawing.



TECHNICAL DATA

PARAMETER	VALUE
sensor model	330180 Proximitior Sensor
custom option	X1; verify from nameplate and controlled drawing
modification identity	MOD:145004-57
agency-approval option	05, CSA/ATEX/IECEX
supply without barriers	-17.5 to -26 V DC; 12 mA maximum
supply with barriers	-23 to -26 V DC

PARAMETER	VALUE
output resistance	50 ohm
maximum monitor field-wire length	305 m (1000 ft)
system linear range	2.0 mm (80 mils)
incremental scale factor	7.87 V/mm (200 mV/mil)
frequency response	0 to 10 kHz, +0/-3 dB

ENGINEERING NOTE

X1 and MOD:145004-57 are custom identities; do not infer the system length or mounting from a standard 330180 option table. Verify the nameplate and controlled drawing.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Schneider Electric MICROLOGIC 6 0 A	Bently Nevada monitoring product	Open Bently Nevada page
KEYENCE GT2 H32	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6EP1333 4BA00	Bently Nevada monitoring product	Open Bently Nevada page
Honeywell 05701 A 0302	Bently Nevada monitoring product	Open Bently Nevada page
Schneider Electric TSXP574634M	Bently Nevada monitoring product	Open Bently Nevada page
Honeywell 8C PAOHA1	Bently Nevada monitoring product	Open Bently Nevada page



APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Radial vibration conditioning

Conditions a matched 3300 XL 8 mm transducer signal

Axial position conditioning

Retains the supplied X1 custom identity

Custom sensor replacement

Carries MOD:145004-57

Monitor channel restoration

Provides the approved monitor interface

MORE RELATED BENTLY NEVADA PRODUCTS

Bently Nevada 162381 138 040 90 05

Bently Nevada product - open page

Bently Nevada 162381 064 028 50 05

Bently Nevada product - open page

Bently Nevada 200151 XX XX XX MOD 323357 15 03 00

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PRODUCT PRECAUTIONS

- 1 Verify the complete 330180-X1-05 MOD:145004-57 marking and its assigned 3300 XL 8 mm Proximity Transducer System position before work.
- 2 Place the connected radial vibration conditioning process in the approved maintenance state.
- 3 Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.
- 4 Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.
- 5 Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.
- 6 Confirm the installed matched 3300 XL 8 mm probe and extension cable and documented custom mounting and system-length arrangement against the approved project record.
- 7 Restore power in a controlled sequence and review transducer, monitor and host diagnostics.
- 8 Prove the intended axial position conditioning function and retain the final controlled acceptance result.

ENGINEER FAQ

Q1 Which sensor model identifies Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the sensor model as 330180 Proximity Sensor. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q3 How must the modification identity of Bently Nevada 330180-X1-05 MOD:145004-57 be matched?

3300 XL 8 mm Proximity Transducer System Datasheet documents the modification identity as MOD:145004-57. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q5 What does the official record state for the supply without barriers of Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the supply without barriers as -17.5 to -26 V DC; 12 mA maximum. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q7 Which exact output resistance distinguishes Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the output resistance as 50 ohm. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q2 What custom option is published for Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the custom option as X1; verify from nameplate and controlled drawing. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q4 Which agency-approval option must technicians retain for Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the agency-approval option as 05, CSA/ATEX/IECEx. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q6 How should the supply with barriers be verified on Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the supply with barriers as -23 to -26 V DC. Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

Q8 What maximum monitor field-wire length is used when commissioning Bently Nevada 330180-X1-05 MOD:145004-57?

3300 XL 8 mm Proximity Transducer System Datasheet documents the maximum monitor field-wire length as 305 m (1000 ft). Confirm the complete 330180-X1-05 MOD:145004-57 marking and the installed-system record before service.

SOURCE 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AM

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