

INDUSTRIAL AUTOMATION PRODUCT

330780-90-00

Proximity Sensor

Bently Nevada 330780-90-00 is a panel-mount 3300 XL 11 mm Proximity Sensor calibrated for a 9.0 m transducer system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 System
Part number	330780-90-00

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
sensor family	3300 XL 11 mm
sensor model	330780
system length	9.0 m
mounting	panel mount
agency approval option	not required
nominal system sensitivity	3.94 V/mm (100 mV/mil)
linear range	4.0 mm from approximately 0.5 to 4.5 mm
field wiring limit	305 m between sensor and monitor
terminal style	SpringLoc terminal strips

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Bently Nevada 3300 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Conditions an 11 mm proximity system
Controlled acceptance duty	Long-range thrust position

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System Role and Architecture

Bently Nevada 330780-90-00 is a panel-mount 3300 XL 11 mm Proximitor Sensor calibrated for a 9.0 m transducer system.

FUNCTION 1

Conditions an 11 mm proximity system

FUNCTION 2

Matches a 9 m system length

FUNCTION 3

Uses panel mounting

FUNCTION 4

Provides SpringLoc field terminals

Matched system components

- Bently Nevada 3300 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Bently Nevada 3300 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Conditions an 11 mm proximity system
Controlled acceptance duty	Long-range thrust position

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Applications and Engineering Context

Long-range thrust position

Conditions an 11 mm proximity system

Ramp differential expansion

Matches a 9 m system length

Rod position monitoring

Uses panel mounting

Panel-mounted signal conditioning

Provides SpringLoc field terminals

TECHNICAL NOTE

Only pair 330780-90-00 with documented 9 m 3300 XL 11 mm probe-plus-extension assemblies and preserve calibration identity.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330780-90-00 / 330780-90-00 recorded
Physical interface	Bently Nevada 3300 System
Companion check	the documented companion module
Functional proof	Conditions an 11 mm proximity system
Application test	Long-range thrust position

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Engineering Precautions

- 1 Verify the complete 330780-90-00 marking and its assigned Bently Nevada 3300 System position before work.
- 2 Place the connected long-range thrust position process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Honeywell 8C TAOXB1 51307137 175	Related industrial automation product	View Honeywell 8C TAOXB1 51307137 175 page
Bently Nevada 330500 04 00	Related industrial automation product	View Bently Nevada 330500 04 00 page
Nord SK700E 151 340 A	Related industrial automation product	View Nord SK700E 151 340 A page
KEYENCE CA LH8	Related industrial automation product	View KEYENCE CA LH8 page
Siemens 6ES7193 4JA00 0AA0	Related industrial automation product	View Siemens 6ES7193 4JA00 0AA0 page
Allen-Bradley 1794 IE8	Related industrial automation product	View Allen-Bradley 1794 IE8 page
Siemens 6ED1052 1MD00 0BA5	Related industrial automation product	View Siemens 6ED1052 1MD00 0BA5 page
Siemens 6ES7153 2AA02 0XB0	Related industrial automation product	View Siemens 6ES7153 2AA02 0XB0 page

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet

146256 Rev. T

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