

330780-90-00

Proximitior Sensor

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 System

PART

330780-90-00

PRODUCT TYPE

Proximitior Sensor

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

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

1

Conditions an 11 mm proximity system

2

Matches a 9 m system length

3

Uses panel mounting

4

Provides SpringLoc field terminals

SYSTEM COMPONENTS

Bently Nevada 3300 System

the documented companion module

approved field wiring

the controlled rack configuration

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	VALUE
sensor family	3300 XL 11 mm
sensor model	330780
system length	9.0 m
mounting	panel mount
agency approval option	not required

PARAMETER	VALUE
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 NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330102 00 40 05 01 05	Related industrial automation product	View Bently Nevada 330102 00 40 05 01 05 page
Bently Nevada 330500 00 02	Related industrial automation product	View Bently Nevada 330500 00 02 page
Bently Nevada 16925 30	Related industrial automation product	View Bently Nevada 16925 30 page
Bently Nevada 330850 50 00	Related industrial automation product	View Bently Nevada 330850 50 00 page
Bently Nevada 3500 50 133388 02	Related industrial automation product	View Bently Nevada 3500 50 133388 02 page
Bently Nevada 330130 080 02 05	Related industrial automation product	View Bently Nevada 330130 080 02 05 page
Bently Nevada 330104 00 08 10 02 05	Related industrial automation product	View Bently Nevada 330104 00 08 10 02 05 page
Bently Nevada 3500 72M 176449 08	Related industrial automation product	View Bently Nevada 3500 72M 176449 08 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the installed Bently Nevada 3300 System and the documented companion module against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended ramp differential expansion function and retain the final acceptance result.

ENGINEER FAQ

Q1 Which official sensor family applies to Bently Nevada 330780-90-00?

Baker Hughes documents the sensor family as 3300 XL 11 mm. Verify this exact identity and its installed configuration before service.

Q2 How is the sensor model identified for Bently Nevada 330780-90-00?

Baker Hughes documents the sensor model as 330780. Verify this exact identity and its installed configuration before service.

Q3 What system length is documented for Bently Nevada 330780-90-00?

Baker Hughes documents the system length as 9.0 m. Verify this exact identity and its installed configuration before service.

Q4 Which mounting must be retained for Bently Nevada 330780-90-00?

Baker Hughes documents the mounting as panel mount. Verify this exact identity and its installed configuration before service.

Q5 What does Baker Hughes specify as the agency approval option for Bently Nevada 330780-90-00?

Baker Hughes documents the agency approval option as not required. Verify this exact identity and its installed configuration before service.

Q6 How should technicians verify the nominal system sensitivity of Bently Nevada 330780-90-00?

Baker Hughes documents the nominal system sensitivity as 3.94 V/mm (100 mV/mil). Verify this exact identity and its installed configuration before service.

Q7 Which published linear range distinguishes Bently Nevada 330780-90-00?

Baker Hughes documents the linear range as 4.0 mm from approximately 0.5 to 4.5 mm. Verify this exact identity and its installed configuration before service.

Q8 What is the documented field wiring limit used by Bently Nevada 330780-90-00?

Baker Hughes documents the field wiring limit as 305 m between sensor and monitor. Verify this exact identity and its installed configuration before service.

SOURCE 3300 XL 11 mm Proximity Transducer System Datasheet | 146256 Rev. T

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