Bently Nevada 900800XL-090-03-01

Complete Product Information

This sensor conditions the matched probe and extension-cable signal into a proportional voltage for machinery vibration and position measurement.

WHAT THIS PRODUCT DOES

Bently Nevada 900800XL-090-03-01 is a 9000XL Proximitor sensor calibrated for a 9.0 m 5/8 mm proximity-transducer system and DIN-rail mounting.

Product characteristic 1

Conditions the matched 9000XL probe and cable signal.

Product characteristic 2

Provides a 200 mV/mil proportional output.

Product characteristic 3

Supports an 80 mil linear measurement range.

Product characteristic 4

Mounts on standard 35 mm DIN rail for panel integration.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Transducer family	9000XL 5/8 mm
System length	9.0 m
Mounting option	35 mm DIN rail
Scale factor	7.87 V/mm (200 mV/mil)

IMPORTANT NOTICE

Record the installed 900800XL-090-03-01 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Transducer family	9000XL 5/8 mm
System length	9.0 m
Mounting option	35 mm DIN rail
Scale factor	7.87 V/mm (200 mV/mil)
Linear range	2.0 mm (80 mil)
Power requirement	-17.5 to -26 VDC
Signal type	Proportional displacement voltage
System rule	Probe plus extension cable must equal 9.0 m

FEATURE INTERPRETATION

Product identity

Conditions the matched 9000XL probe and cable signal.

System role

Provides a 200 mV/mil proportional output.

Service context

Supports an 80 mil linear measurement range.

Return-to-service focus

Mounts on standard 35 mm DIN rail for panel integration.

SIGNAL OR CONTROL PATH

Field device → **Product interface** → **System channel** → **Verified response**

Use 900800XL-090-03-01 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

What transducer family belongs to Bently Nevada 900800XL-090-03-01?	The documented transducer family is 9000XL 5/8 mm; confirm it against the installed record.
Why verify system length for Bently Nevada 900800XL-090-03-01?	The documented system length is 9.0 m; confirm it against the installed record.
Where is mounting option used by Bently Nevada 900800XL-090-03-01?	The documented mounting option is 35 mm DIN rail; confirm it against the installed record.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Radial vibration Measures shaft motion relative to the bearing.	**Axial position** Tracks thrust or shaft-position changes.
Keyphasor service Provides a once-per-turn reference when configured.	**Legacy panel replacement** Restores the documented 9.0 m transducer channel.

APPLICATION VERIFICATION MAP

Radial vibration	Confirm the documented system position and the required operating function.
Axial position	Compare the restored connection or control path with the approved record.
Keyphasor service	Check the physical interface and the retained configuration before startup.
Legacy panel replacement	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	**Connection record** Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	**Acceptance record** Observed status, response and release decision.

IMPORTANT NOTICE	Use the complete product identifier for every application review; a related product link does not establish interchangeability.

APPLICATION QUESTIONS

Where is mounting option used by Bently Nevada 900800XL-090-03-01?	The documented mounting option is 35 mm DIN rail; confirm it against the installed record.
What controls scale factor on Bently Nevada 900800XL-090-03-01?	The documented scale factor is 7.87 V/mm (200 mV/mil); confirm it against the installed record.
How is linear range tested on Bently Nevada 900800XL-090-03-01?	The documented linear range is 2.0 mm (80 mil); confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 900800XL-090-03-01 marking and the documented 9000xl 5/8 mm proximitor sensor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed transducer family, system length and mounting option before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What transducer family belongs to Bently Nevada 900800XL-090-03-01?	The documented transducer family is 9000XL 5/8 mm; confirm it against the installed record.
Why verify system length for Bently Nevada 900800XL-090-03-01?	The documented system length is 9.0 m; confirm it against the installed record.
Where is mounting option used by Bently Nevada 900800XL-090-03-01?	The documented mounting option is 35 mm DIN rail; confirm it against the installed record.
What controls scale factor on Bently Nevada 900800XL-090-03-01?	The documented scale factor is 7.87 V/mm (200 mV/mil); confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 900800XL-090-03-01 identity and every mating interface before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, document reference and related models

ADDITIONAL TECHNICAL QUESTIONS

How is linear range tested on Bently Nevada 900800XL-090-03-01?	The documented linear range is 2.0 mm (80 mil); confirm it against the installed record.
Which record preserves power requirement for Bently Nevada 900800XL-090-03-01?	The documented power requirement is -17.5 to -26 VDC; confirm it against the installed record.
Which signal type applies to Bently Nevada 900800XL-090-03-01?	The documented signal type is Proportional displacement voltage; confirm it against the installed record.
How is system rule set on Bently Nevada 900800XL-090-03-01?	The documented system rule is Probe plus extension cable must equal 9.0 m; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	ApterPower product-specific technical reference
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

RELATED MODELS ON APTERPOWER

Bently Nevada 1900/65	Related product reference. Review the complete ordering string before selection.
Bently Nevada 990-05-50-01-05	Related product reference. Compare the required interface and system position.
Bently Nevada 991-06-XX-01-00	Related product reference. Confirm the execution independently for the intended task.

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