Bently Nevada 900800XL-090-03-01

Technical Reference

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 ROLE AND TECHNICAL FEATURES

Feature 1

Conditions the matched 9000XL probe and cable signal.

Feature 2

Provides a 200 mV/mil proportional output.

Feature 3

Supports an 80 mil linear measurement range.

Feature 4

Mounts on standard 35 mm DIN rail for panel integration.

TECHNICAL DATA 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)

SYSTEM RELATIONSHIP

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

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.

Technical profile

Technical values for the complete product string are arranged below for selection and engineering review.

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

SELECTION ANCHORS

- Conditions the matched 9000XL probe and cable signal.
- Provides a 200 mV/mil proportional output.
- Supports an 80 mil linear measurement range.
- Mounts on standard 35 mm DIN rail for panel integration.

IMPORTANT NOTICE	Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

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.

ADDITIONAL ENGINEERING CHECKS

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.

System role and architecture

Field device → Product interface → System channel → Verified response

APPLICATION POINTS

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.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional result	Record the expected static value, dynamic response and system status.

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

ENGINEERING REVIEW 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.

Engineering checks and acceptance

PRODUCT 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.

RELEASE CHECKS

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

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

APPLICATION BOUNDARIES

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.

Technical questions and related models

MODEL-SPECIFIC 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.
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.

RELATED MODELS ON APTERPOWER

Bently Nevada 330850-51-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3500/32 125712-01	Related product reference. Compare the required interface and system position.
Bently Nevada 128031-01	Related product reference. Confirm the execution independently for the intended task.

DOCUMENT AND SELECTION RECORD

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.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.