Bently Nevada 1900/27-02-00

Complete Product Information

The compact monitor conditions one vibration input, presents local status and drives configured alarm functions without requiring a full rack system.

WHAT THIS PRODUCT DOES

Bently Nevada 1900/27-02-00 is a stand-alone single-channel vibration monitor for continuous machinery protection.

Product characteristic 1

Provides one continuous vibration-monitoring channel.

Product characteristic 2

Operates as a stand-alone protection device.

Product characteristic 3

Processes configured alarm thresholds from the matched transducer input.

Product characteristic 4

Supports compact machine or package-equipment protection.

PRODUCT-PAGE TECHNICAL SNAPSHOT

System family	1900 machinery monitor
Monitor channels	1
Installation format	Stand-alone monitor
Primary measurement	Continuous vibration

IMPORTANT NOTICE

Record the installed 1900/27-02-00 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

System family	1900 machinery monitor
Monitor channels	1
Installation format	Stand-alone monitor
Primary measurement	Continuous vibration
Alarm processing	Configured Alert and Danger functions
Field interface	Matched vibration transducer and monitor wiring
Output role	Local indication and protective status
Acceptance method	Inject a controlled signal and prove alarm transitions

FEATURE INTERPRETATION

Product identity

Provides one continuous vibration-monitoring channel.

System role

Operates as a stand-alone protection device.

Service context

Processes configured alarm thresholds from the matched transducer input.

Return-to-service focus

Supports compact machine or package-equipment protection.

SIGNAL OR CONTROL PATH

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

Use 1900/27-02-00 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which record preserves system family for Bently Nevada 1900/27-02-00?	The documented system family is 1900 machinery monitor; confirm it against the installed record.
Which monitor channels applies to Bently Nevada 1900/27-02-00?	The documented monitor channels is 1; confirm it against the installed record.
How is installation format set on Bently Nevada 1900/27-02-00?	The documented installation format is Stand-alone monitor; 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.

Pump protection Monitors one critical vibration point.	**Fan monitoring** Provides a compact single-channel alarm.
Package equipment Adds stand-alone vibration protection.	**Legacy monitor replacement** Restores the existing one-channel loop.

APPLICATION VERIFICATION MAP

Pump protection	Confirm the documented system position and the required operating function.
Fan monitoring	Compare the restored connection or control path with the approved record.
Package equipment	Check the physical interface and the retained configuration before startup.
Legacy monitor 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

How is installation format set on Bently Nevada 1900/27-02-00?	The documented installation format is Stand-alone monitor; confirm it against the installed record.
What primary measurement belongs to Bently Nevada 1900/27-02-00?	The documented primary measurement is Continuous vibration; confirm it against the installed record.
Why verify alarm processing for Bently Nevada 1900/27-02-00?	The documented alarm processing is Configured Alert and Danger functions; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 1900/27-02-00 marking and the documented single-channel vibration monitor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, monitor channels and installation format 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

Which record preserves system family for Bently Nevada 1900/27-02-00?	The documented system family is 1900 machinery monitor; confirm it against the installed record.
Which monitor channels applies to Bently Nevada 1900/27-02-00?	The documented monitor channels is 1; confirm it against the installed record.
How is installation format set on Bently Nevada 1900/27-02-00?	The documented installation format is Stand-alone monitor; confirm it against the installed record.
What primary measurement belongs to Bently Nevada 1900/27-02-00?	The documented primary measurement is Continuous vibration; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 1900/27-02-00 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

Why verify alarm processing for Bently Nevada 1900/27-02-00?	The documented alarm processing is Configured Alert and Danger functions; confirm it against the installed record.
Where is field interface used by Bently Nevada 1900/27-02-00?	The documented field interface is Matched vibration transducer and monitor wiring; confirm it against the installed record.
What controls output role on Bently Nevada 1900/27-02-00?	The documented output role is Local indication and protective status; confirm it against the installed record.
How is acceptance method tested on Bently Nevada 1900/27-02-00?	The documented acceptance method is Inject a controlled signal and prove alarm transitions; 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 990-05-50-01-05	Related product reference. Review the complete ordering string before selection.
Bently Nevada 991-06-XX-01-00	Related product reference. Compare the required interface and system position.
Bently Nevada 3300/45	Related product reference. Confirm the execution independently for the intended task.

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