Bently Nevada 1900/27-02-00

Technical Reference

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

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Provides one continuous vibration-monitoring channel.

Feature 2

Operates as a stand-alone protection device.

Feature 3

Processes configured alarm thresholds from the matched transducer input.

Feature 4

Supports compact machine or package-equipment protection.

TECHNICAL DATA SNAPSHOT

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

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.

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

SELECTION ANCHORS

- Provides one continuous vibration-monitoring channel.
- Operates as a stand-alone protection device.
- Processes configured alarm thresholds from the matched transducer input.
- Supports compact machine or package-equipment protection.

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

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.

System role and architecture

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

APPLICATION POINTS

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.

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

ENGINEERING REVIEW 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.

Engineering checks and acceptance

PRODUCT 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.

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 1900/27-02-00 identity and every mating interface before installation.

APPLICATION BOUNDARIES

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.

Technical questions and related models

MODEL-SPECIFIC 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.
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.

RELATED MODELS ON APTERPOWER

Bently Nevada 3500/32 125712-01	Related product reference. Review the complete ordering string before selection.
Bently Nevada 128031-01	Related product reference. Compare the required interface and system position.
Bently Nevada 125720-02	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.