Bently Nevada 3300/39-03-00

Technical Reference

Bently Nevada 3300/39-03-00 is a two-channel 3300 process-variable monitor for continuous supervision of conditioned analog process signals.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Monitors two process-variable channels in one rack position.

Feature 2

Scales conditioned analog inputs for local indication.

Feature 3

Provides independent alarm logic for each channel.

Feature 4

Requires restoration of input ranges and setpoints after replacement.

TECHNICAL DATA SNAPSHOT

System family	3300 machinery protection
Monitor channels	2
Input role	Conditioned analog process variables
Display function	Channel-level process indication

SYSTEM RELATIONSHIP

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

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Technical profile

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

System family	3300 machinery protection
Monitor channels	2
Input role	Conditioned analog process variables
Display function	Channel-level process indication
Alarm function	Independent configured channel alarms
Rack interface	3300 backplane and rear I/O
Configuration control	Input range, scale and alarm setpoints
Acceptance method	Simulate both input spans and verify alarm outputs

SELECTION ANCHORS

- Monitors two process-variable channels in one rack position.
- Scales conditioned analog inputs for local indication.
- Provides independent alarm logic for each channel.
- Requires restoration of input ranges and setpoints after replacement.

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

How is configuration control tested on Bently Nevada 3300/39-03-00?	The documented configuration control is Input range, scale and alarm setpoints; confirm it against the installed record.
Which record preserves acceptance method for Bently Nevada 3300/39-03-00?	The documented acceptance method is Simulate both input spans and verify alarm outputs; confirm it against the installed record.

System role and architecture

Field device → Product interface → System channel → Verified response

APPLICATION POINTS

Pressure supervision

Monitors a conditioned pressure signal.

Temperature conversion

Accepts a transmitter-scaled temperature variable.

Flow or level monitoring

Applies alarms to a conditioned process signal.

Legacy rack renewal

Restores a two-channel process monitor.

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 3300/39-03-00 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

ENGINEERING REVIEW QUESTIONS

Which system family applies to Bently Nevada 3300/39-03-00?	The documented system family is 3300 machinery protection; confirm it against the installed record.
How is monitor channels set on Bently Nevada 3300/39-03-00?	The documented monitor channels is 2; confirm it against the installed record.
What input role belongs to Bently Nevada 3300/39-03-00?	The documented input role is Conditioned analog process variables; confirm it against the installed record.
Why verify display function for Bently Nevada 3300/39-03-00?	The documented display function is Channel-level process indication; confirm it against the installed record.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm the complete 3300/39-03-00 marking and the documented dual-channel process variable monitor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, monitor channels and input role 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 3300/39-03-00 identity and every mating interface before installation.

APPLICATION BOUNDARIES

Pressure supervision	Monitors a conditioned pressure signal.
Temperature conversion	Accepts a transmitter-scaled temperature variable.
Flow or level monitoring	Applies alarms to a conditioned process signal.
Legacy rack renewal	Restores a two-channel process monitor.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

Which system family applies to Bently Nevada 3300/39-03-00?	The documented system family is 3300 machinery protection; confirm it against the installed record.
How is monitor channels set on Bently Nevada 3300/39-03-00?	The documented monitor channels is 2; confirm it against the installed record.
What input role belongs to Bently Nevada 3300/39-03-00?	The documented input role is Conditioned analog process variables; confirm it against the installed record.
Why verify display function for Bently Nevada 3300/39-03-00?	The documented display function is Channel-level process indication; confirm it against the installed record.
Where is alarm function used by Bently Nevada 3300/39-03-00?	The documented alarm function is Independent configured channel alarms; confirm it against the installed record.
What controls rack interface on Bently Nevada 3300/39-03-00?	The documented rack interface is 3300 backplane and rear I/O; confirm it against the installed record.

RELATED MODELS ON APTERPOWER

Bently Nevada 991-06-XX-01-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3300/45	Related product reference. Compare the required interface and system position.
Bently Nevada 3300/47	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.

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