Bently Nevada 3701/60A

Complete Product Information

The monitor brings turbine drivetrain measurements into a dedicated condition-monitoring system for fault detection, trending and maintenance planning.

WHAT THIS PRODUCT DOES

Bently Nevada 3701/60A is a wind-turbine condition-monitoring platform for collecting machinery vibration and operating-condition data.

Product characteristic 1

Collects turbine drivetrain condition signals.

Product characteristic 2

Supports vibration trending across critical rotating components.

Product characteristic 3

Provides a dedicated platform for wind-turbine monitoring.

Product characteristic 4

Integrates measured data with diagnostic and maintenance workflows.

PRODUCT-PAGE TECHNICAL SNAPSHOT

System family	3701 wind monitoring
Primary asset	Wind turbine drivetrain
Monitoring role	Condition and vibration monitoring
Typical measurement points	Bearings, gearbox, generator and rotor train

IMPORTANT NOTICE

Record the installed 3701/60A 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	3701 wind monitoring
Primary asset	Wind turbine drivetrain
Monitoring role	Condition and vibration monitoring
Typical measurement points	Bearings, gearbox, generator and rotor train
Data use	Trending, diagnostics and maintenance planning
Signal sources	Installed vibration and condition sensors
Retrofit relationship	Supported by documented 3701/60A retrofit hardware
Acceptance method	Verify channel mapping, signal quality and communications

FEATURE INTERPRETATION

Product identity

Collects turbine drivetrain condition signals.

System role

Supports vibration trending across critical rotating components.

Service context

Provides a dedicated platform for wind-turbine monitoring.

Return-to-service focus

Integrates measured data with diagnostic and maintenance workflows.

SIGNAL OR CONTROL PATH

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

Use 3701/60A only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

How is system family tested on Bently Nevada 3701/60A?	The documented system family is 3701 wind monitoring; confirm it against the installed record.
Which record preserves primary asset for Bently Nevada 3701/60A?	The documented primary asset is Wind turbine drivetrain; confirm it against the installed record.
Which monitoring role applies to Bently Nevada 3701/60A?	The documented monitoring role is Condition and vibration monitoring; 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.

Gearbox condition monitoring Tracks bearing and gear vibration patterns.	**Generator monitoring** Supervises generator-bearing condition.
Main-bearing trending Records long-term vibration changes.	**Wind-farm maintenance** Supports condition-based maintenance decisions.

APPLICATION VERIFICATION MAP

Gearbox condition monitoring	Confirm the documented system position and the required operating function.
Generator monitoring	Compare the restored connection or control path with the approved record.
Main-bearing trending	Check the physical interface and the retained configuration before startup.
Wind-farm maintenance	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

Which monitoring role applies to Bently Nevada 3701/60A?	The documented monitoring role is Condition and vibration monitoring; confirm it against the installed record.
How is typical measurement points set on Bently Nevada 3701/60A?	The documented typical measurement points is Bearings, gearbox, generator and rotor train; confirm it against the installed record.
What data use belongs to Bently Nevada 3701/60A?	The documented data use is Trending, diagnostics and maintenance planning; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 3701/60A marking and the documented wind turbine condition monitor position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, primary asset and monitoring 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.

FREQUENTLY ASKED TECHNICAL QUESTIONS

How is system family tested on Bently Nevada 3701/60A?	The documented system family is 3701 wind monitoring; confirm it against the installed record.
Which record preserves primary asset for Bently Nevada 3701/60A?	The documented primary asset is Wind turbine drivetrain; confirm it against the installed record.
Which monitoring role applies to Bently Nevada 3701/60A?	The documented monitoring role is Condition and vibration monitoring; confirm it against the installed record.
How is typical measurement points set on Bently Nevada 3701/60A?	The documented typical measurement points is Bearings, gearbox, generator and rotor train; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 3701/60A 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

What data use belongs to Bently Nevada 3701/60A?	The documented data use is Trending, diagnostics and maintenance planning; confirm it against the installed record.
Why verify signal sources for Bently Nevada 3701/60A?	The documented signal sources is Installed vibration and condition sensors; confirm it against the installed record.
Where is retrofit relationship used by Bently Nevada 3701/60A?	The documented retrofit relationship is Supported by documented 3701/60A retrofit hardware; confirm it against the installed record.
What controls acceptance method on Bently Nevada 3701/60A?	The documented acceptance method is Verify channel mapping, signal quality and communications; 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 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.

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