Bently Nevada 80173-110-02

Technical Reference

Bently Nevada 80173-110-02 is a distinct circuit-board assembly for a compatible legacy machinery-monitoring unit.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Uses the -02 execution of the 80173-110 board family.

Feature 2

Fits an internal legacy monitoring-system position.

Feature 3

Requires exact connector orientation and configuration retention.

Feature 4

Supports full channel and alarm-path verification after installation.

TECHNICAL DATA SNAPSHOT

Component class	Circuit-board assembly
Execution	-02 board variant
System context	Legacy machinery-monitoring hardware
Installation role	Internal service assembly

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.

Component class	Circuit-board assembly
Execution	-02 board variant
System context	Legacy machinery-monitoring hardware
Installation role	Internal service assembly
Interface boundary	Original connectors and harness routing
Configuration control	Board revision, links and installed settings
Handling requirement	ESD-controlled removal and installation
Acceptance method	Self-test, channel response and alarm-path verification

SELECTION ANCHORS

- Uses the -02 execution of the 80173-110 board family.
- Fits an internal legacy monitoring-system position.
- Requires exact connector orientation and configuration retention.
- Supports full channel and alarm-path verification after installation.

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 handling requirement set on Bently Nevada 80173-110-02?	The documented handling requirement is ESD-controlled removal and installation; confirm it against the installed record.
What acceptance method belongs to Bently Nevada 80173-110-02?	The documented acceptance method is Self-test, channel response and alarm-path verification; confirm it against the installed record.

System role and architecture

Field device → Product interface → System channel → Verified response

APPLICATION POINTS

Exact-variant replacement

Prevents substitution of a different 80173 board.

Legacy electronics support

Restores the original internal assembly.

Controlled maintenance

Preserves revision and link settings.

System commissioning

Verifies the affected channel and alarm functions.

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 80173-110-02 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

ENGINEERING REVIEW QUESTIONS

Why verify component class for Bently Nevada 80173-110-02?	The documented component class is Circuit-board assembly; confirm it against the installed record.
Where is execution used by Bently Nevada 80173-110-02?	The documented execution is -02 board variant; confirm it against the installed record.
What controls system context on Bently Nevada 80173-110-02?	The documented system context is Legacy machinery-monitoring hardware; confirm it against the installed record.
How is installation role tested on Bently Nevada 80173-110-02?	The documented installation role is Internal service assembly; confirm it against the installed record.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm the complete 80173-110-02 marking and the documented circuit board assembly position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed component class, execution and system context 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 80173-110-02 identity and every mating interface before installation.

APPLICATION BOUNDARIES

Exact-variant replacement	Prevents substitution of a different 80173 board.
Legacy electronics support	Restores the original internal assembly.
Controlled maintenance	Preserves revision and link settings.
System commissioning	Verifies the affected channel and alarm functions.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

Why verify component class for Bently Nevada 80173-110-02?	The documented component class is Circuit-board assembly; confirm it against the installed record.
Where is execution used by Bently Nevada 80173-110-02?	The documented execution is -02 board variant; confirm it against the installed record.
What controls system context on Bently Nevada 80173-110-02?	The documented system context is Legacy machinery-monitoring hardware; confirm it against the installed record.
How is installation role tested on Bently Nevada 80173-110-02?	The documented installation role is Internal service assembly; confirm it against the installed record.
Which record preserves interface boundary for Bently Nevada 80173-110-02?	The documented interface boundary is Original connectors and harness routing; confirm it against the installed record.
Which configuration control applies to Bently Nevada 80173-110-02?	The documented configuration control is Board revision, links and installed settings; confirm it against the installed record.

RELATED MODELS ON APTERPOWER

Bently Nevada 330180-X2-05	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330850-51-00	Related product reference. Compare the required interface and system position.
Bently Nevada 3500/32 125712-01	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.

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