Bently Nevada 80173-110-01

Technical Reference

Bently Nevada 80173-110-01 is a circuit-board assembly identified for service in a compatible legacy machinery-monitoring installation.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Provides an internal electronic assembly for a legacy monitor.

Feature 2

Uses the installed connectors and system wiring as its interface.

Feature 3

Requires exact preservation of jumper and revision details.

Feature 4

Must be handled and tested under ESD-controlled conditions.

TECHNICAL DATA SNAPSHOT

Component class	Circuit-board assembly
System context	Legacy machinery-monitoring hardware
Installation role	Internal replaceable electronic assembly
Interface boundary	Existing edge connectors and harnesses

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
System context	Legacy machinery-monitoring hardware
Installation role	Internal replaceable electronic assembly
Interface boundary	Existing edge connectors and harnesses
Configuration control	Installed jumpers, links and board revision
Handling requirement	Electrostatic-discharge controlled work
Inspection focus	Connector plating, contamination and heat damage
Acceptance method	Power-up diagnostics and end-to-end channel test

SELECTION ANCHORS

- Provides an internal electronic assembly for a legacy monitor.
- Uses the installed connectors and system wiring as its interface.
- Requires exact preservation of jumper and revision details.
- Must be handled and tested under ESD-controlled conditions.

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

Which inspection focus applies to Bently Nevada 80173-110-01?	The documented inspection focus is Connector plating, contamination and heat damage; confirm it against the installed record.
How is acceptance method set on Bently Nevada 80173-110-01?	The documented acceptance method is Power-up diagnostics and end-to-end channel test; confirm it against the installed record.

System role and architecture

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

APPLICATION POINTS

Legacy board repair Replaces the exact internal assembly.	**Rack restoration** Returns a failed electronic position to service.
Preventive inspection Addresses connector or heat-related degradation.	**Functional verification** Confirms the affected monitoring path after repair.

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 80173-110-01 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

ENGINEERING REVIEW QUESTIONS

What component class belongs to Bently Nevada 80173-110-01?	The documented component class is Circuit-board assembly; confirm it against the installed record.
Why verify system context for Bently Nevada 80173-110-01?	The documented system context is Legacy machinery-monitoring hardware; confirm it against the installed record.
Where is installation role used by Bently Nevada 80173-110-01?	The documented installation role is Internal replaceable electronic assembly; confirm it against the installed record.
What controls interface boundary on Bently Nevada 80173-110-01?	The documented interface boundary is Existing edge connectors and harnesses; confirm it against the installed record.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm the complete 80173-110-01 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, system context and installation 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 80173-110-01 identity and every mating interface before installation.

APPLICATION BOUNDARIES

Legacy board repair	Replaces the exact internal assembly.
Rack restoration	Returns a failed electronic position to service.
Preventive inspection	Addresses connector or heat-related degradation.
Functional verification	Confirms the affected monitoring path after repair.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What component class belongs to Bently Nevada 80173-110-01?	The documented component class is Circuit-board assembly; confirm it against the installed record.
Why verify system context for Bently Nevada 80173-110-01?	The documented system context is Legacy machinery-monitoring hardware; confirm it against the installed record.
Where is installation role used by Bently Nevada 80173-110-01?	The documented installation role is Internal replaceable electronic assembly; confirm it against the installed record.
What controls interface boundary on Bently Nevada 80173-110-01?	The documented interface boundary is Existing edge connectors and harnesses; confirm it against the installed record.
How is configuration control tested on Bently Nevada 80173-110-01?	The documented configuration control is Installed jumpers, links and board revision; confirm it against the installed record.
Which record preserves handling requirement for Bently Nevada 80173-110-01?	The documented handling requirement is Electrostatic-discharge controlled work; confirm it against the installed record.

RELATED MODELS ON APTERPOWER

Bently Nevada 3500/61E 285694-02	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330103-00-10-10-02-00	Related product reference. Compare the required interface and system position.
Bently Nevada 330104-00-10-10-02-CN	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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