

Bently Nevada AM3100T2-Z2-00

Installation & Commissioning Guide

Bently Nevada AM3100T2-Z2-00 is the AM3100T2-Z2 accelerometer execution used as a two-wire vibration input for the 2300 Series monitoring platform.

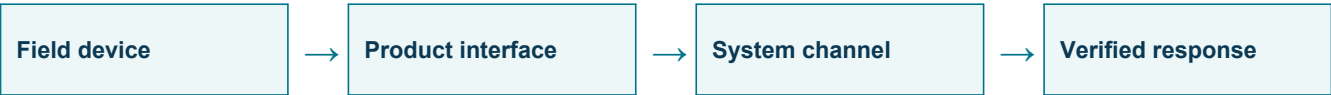
PRODUCT ROLE AND VERIFIED FEATURES

Feature 1 Provides a two-wire accelerometer signal to the 2300 monitor input.	Feature 2 Uses the AM3100T2-Z2 sensor connection shown for the 2300 Series.
Feature 3 Mounts through the documented 1/4-28 interface.	Feature 4 Works with the approved two-wire cable arrangement for the monitor installation.

VERIFIED DATA SNAPSHOT

Sensor family	AM3100T2-Z2 accelerometer
Monitor family	2300/20 and 2300/25
Connection	Two-wire transducer input
Connector family	MIL-C-5015 two-pin

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
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Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Pre-installation readiness

READINESS GATE

Identity Compare the complete marking with the approved work order and installed record.	System match Confirm the receiving channel, mating components and controlled configuration.
Physical condition Inspect mounting surfaces, connectors, terminals, cable and support hardware.	Work controls Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Sensor family AM3100T2-Z2 accelerometer	Monitor family 2300/20 and 2300/25
Connection Two-wire transducer input	Connector family MIL-C-5015 two-pin
Mounting interface 1/4-28 mounting hole	Cable family 9571 or approved two-wire cable
Measurement role Machine-case vibration	Suffix control -00 retained as supplied

IMPORTANT NOTICE

Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 2300/20 and 2300/25 Vibration Monitors Datasheet 105M0340 Rev. AD.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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Installation sequence

CONTROLLED WORK STEPS

- 01 Confirm the complete AM3100T2-Z2-00 marking and assigned monitor channel before replacement.
- 02 Prepare a clean, rigid mounting surface for the 1/4-28 sensor interface.
- 03 Keep the two-pin connector clean and fully engaged.
- 04 Use the approved two-wire cable and shield arrangement for the installation.
- 05 Route the cable away from power conductors and sources of mechanical damage.
- 06 Do not assign an option meaning to the -00 suffix without the matching configuration record.
- 07 Verify monitor input type, alarm logic and channel scaling before operation.
- 08 Compare the installed vibration response with a controlled reference before release.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.



WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state Observe status at power-up and check for unexpected fault or alarm indication.	Static value Verify the expected bias, gap, loop, contact or channel value for the application.
Dynamic response Apply the approved machine or test stimulus and confirm response and scaling.	Protection path Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

Machine-case vibration Measures casing motion on rotating equipment through an accelerometer input.	2300 Series protection Feeds a compatible 2300/20 or 2300/25 monitoring channel.
Skid condition monitoring Provides a compact two-wire vibration signal for packaged machinery.	Maintenance verification Supports sensor, cable and channel checks after installation or replacement.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

Which monitor platform accepts the signal from AM3100T2-Z2-00?	The AM3100T2-Z2 sensor is listed for compatible Bently Nevada 2300 Series vibration monitors.
What electrical input arrangement is used by AM3100T2-Z2-00?	It connects as a two-wire accelerometer input.
Which connector family appears on AM3100T2-Z2-00?	The sensor drawing identifies a MIL-C-5015 two-pin connector.
How is AM3100T2-Z2-00 attached to the machine?	Use the documented 1/4-28 mounting interface on a clean, rigid sensing location.

Release record and technical references

CLOSEOUT QUESTIONS

Which cable family is associated with AM3100T2-Z2-00?	The 2300 Series documentation lists the 9571 low-cost cable and approved two-wire alternatives.
Why does cable length matter for AM3100T2-Z2-00?	Long cable runs can attenuate higher-frequency amplitudes, so routing and total length must follow the channel design.
How should the -00 suffix on AM3100T2-Z2-00 be handled?	Retain it in the complete product identity and confirm its configuration from the supplied unit record.
What functional test follows installation of AM3100T2-Z2-00?	Check connector integrity, monitor bias or diagnostics and a credible vibration response at the assigned channel.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330130-075-01-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330879-03-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330800-28-45-020-03-02	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 2300/20 and 2300/25 Vibration Monitors Datasheet 105M0340 Rev. AD.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

IMPORTANT NOTICE

Release the equipment only after the responsible site authority accepts the recorded result.

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