

Bently Nevada AM3100T2-Z2-00

Complete Product Information

Bently Nevada AM3100T2-Z2-00 converts machine-case vibration into the electrical input used by a compatible 2300 Series vibration monitor.

WHAT THIS PRODUCT DOES

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

PRODUCT-PAGE TECHNICAL 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

IMPORTANT NOTICE

Prepare a clean, rigid mounting surface for the 1/4-28 sensor interface. Compare the installed vibration response with a controlled reference before release.

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Scan the approved WhatsApp code for model-specific support.



Features and technical data

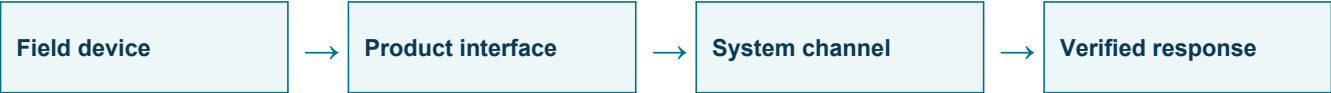
TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

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

FEATURE INTERPRETATION

Product identity Provides a two-wire accelerometer signal to the 2300 monitor input.	System role Uses the AM3100T2-Z2 sensor connection shown for the 2300 Series.
Service context Mounts through the documented 1/4-28 interface.	Return-to-service focus Works with the approved two-wire cable arrangement for the monitor installation.

SIGNAL OR CONTROL PATH



Sensor mounting stiffness, cable shielding and monitor input configuration affect the measured vibration signal. The -00 suffix remains part of the requested identity without assigning an unsupported option meaning.

PRODUCT-PAGE TECHNICAL 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.

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.

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.

APPLICATION VERIFICATION MAP

Machine-case vibration	Confirm the documented system position and the required operating function.
2300 Series protection	Compare the restored connection or control path with the approved record.
Skid condition monitoring	Check the physical interface and the retained configuration before startup.
Maintenance verification	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 is not evidence of interchangeability.

APPLICATION QUESTIONS

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.
Which cable family is associated with AM3100T2-Z2-00?	The 2300 Series documentation lists the 9571 low-cost cable and approved two-wire alternatives.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 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.

FREQUENTLY ASKED TECHNICAL 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.

IMPORTANT NOTICE

Prepare a clean, rigid mounting surface for the 1/4-28 sensor interface. Compare the installed vibration response with a controlled reference before release.

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, source record and related models

ADDITIONAL TECHNICAL 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.

MANUFACTURER EVIDENCE RECORD

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.

RELATED MODELS ON APTERPOWER

Bently Nevada 330879-03-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330800-28-45-020-03-02	Related product reference. Compare the required interface and system position.
Bently Nevada 24701-28-05-XX-065-03-XX MOD:323933-00-02	Related product reference. Confirm the execution independently for the intended task.

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