Foxboro AD908AC FBM202

Complete Product Information

Foxboro AD908AC FBM202 provides the integrated field-termination path for the FBM202 thermocouple and millivolt input subsystem, including reference-junction temperature sensing.

WHAT THIS PRODUCT DOES

Foxboro AD908AC FBM202 serves as an integrated thermocouple termination in the Foxboro FBM module-fieldbus path. It interfaces thermocouple or millivolt input with FBM202 thermocouple/mV input path and its terminal-temperature reference.

Product characteristic 1

Provides eight measurement channels plus one reference channel for the documented integrated thermocouple termination function.

Product characteristic 2

Handles thermocouple or millivolt input through the specified Foxboro FBM module-fieldbus path.

Product characteristic 3

Works with FBM202 thermocouple/mV input path and its terminal-temperature reference.

Product characteristic 4

Galvanic isolation is provided for the thermocouple inputs and the reference channel.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Thermocouple channels	8 isolated thermocouple/mV inputs
Reference channel	1 isolated RTD reference-junction compensation channel
Sensor types	B, E, J, K, N, R, S and T thermocouples
Fault detection	Upscale thermocouple burnout detection

IMPORTANT NOTICE

Use AD908AC FBM202 only with FBM202 thermocouple/mV input path and its terminal-temperature reference; verify the field interface and controlled configuration before energizing the subsystem.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Thermocouple channels	8 isolated thermocouple/mV inputs
Reference channel	1 isolated RTD reference-junction compensation channel
Sensor types	B, E, J, K, N, R, S and T thermocouples
Fault detection	Upscale thermocouple burnout detection
Fieldbus	Redundant 2 Mbps module fieldbus

FEATURE INTERPRETATION

Product identity

Provides eight measurement channels plus one reference channel for the documented integrated thermocouple termination function.

System role

Handles thermocouple or millivolt input through the specified Foxboro FBM module-fieldbus path.

Service context

Works with FBM202 thermocouple/mV input path and its terminal-temperature reference.

Return-to-service focus

Galvanic isolation is provided for the thermocouple inputs and the reference channel.

SIGNAL OR CONTROL PATH

Field signal → **Termination** → **Input module** → **Control database**

The integrated thermocouple termination belongs in the controlled Foxboro FBM module-fieldbus path and works with FBM202 thermocouple/mV input path and its terminal-temperature reference. Its field connection, companion hardware and project configuration must be reviewed together before the channel is returned to service.

PRODUCT-PAGE TECHNICAL QUESTIONS

What function does Foxboro AD908AC FBM202 perform?	It provides the integrated field-termination path for the FBM202 thermocouple and millivolt input subsystem, including reference-junction temperature sensing.
How many channels are associated with Foxboro AD908AC FBM202?	The documented configuration provides eight measurement channels plus one reference channel.
Which signal path is used by Foxboro AD908AC FBM202?	It is used for thermocouple or millivolt input within the specified subsystem.

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.

Installed-base maintenance

Restores the documented integrated thermocouple termination position without changing the approved system architecture.

Loop or channel service

Supports verification of thermocouple or millivolt input at the assigned control-system channel.

Planned replacement

Provides an exact-identity replacement path when FBM202 thermocouple/mV input path and its terminal-temperature reference and the field interface have been confirmed.

Commissioning support

Allows the responsible engineer to prove wiring, configuration, status and response for eight measurement channels plus one reference channel.

APPLICATION VERIFICATION MAP

Installed-base maintenance	Confirm the documented system position and the required operating function.
Loop or channel service	Compare the restored connection or control path with the approved record.
Planned replacement	Check the physical interface and the retained configuration before startup.
Commissioning support	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 signal path is used by Foxboro AD908AC FBM202?	It is used for thermocouple or millivolt input within the specified subsystem.
Which companion hardware must be checked for Foxboro AD908AC FBM202?	Confirm FBM202 thermocouple/mV input path and its terminal-temperature reference and the project-specific base or terminal arrangement.
What technical values should be verified before installing Foxboro AD908AC FBM202?	Verify 8 isolated thermocouple/mV inputs; also confirm 1 isolated rtd reference-junction compensation channel and every applicable range or wiring selection.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match the complete AD908AC FBM202 marking to the work order and installed position before removal.
02	Confirm FBM202 thermocouple/mV input path and its terminal-temperature reference before making or breaking any field connection.
03	Keep the assigned thermocouple or millivolt input within the documented subsystem and range.
04	Record terminal designations, polarity, common and shield treatment before disconnecting conductors.
05	Inspect module seating, connector keying, terminal condition and strain relief before power is restored.
06	Restore the controlled channel configuration, range selection and alarm or timeout behavior after installation.
07	Check local indicators and controller diagnostics for internal, communication or channel faults during commissioning.
08	Prove the intended response across eight measurement channels plus one reference channel and record the acceptance result before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What function does Foxboro AD908AC FBM202 perform?	It provides the integrated field-termination path for the FBM202 thermocouple and millivolt input subsystem, including reference-junction temperature sensing.
How many channels are associated with Foxboro AD908AC FBM202?	The documented configuration provides eight measurement channels plus one reference channel.
Which signal path is used by Foxboro AD908AC FBM202?	It is used for thermocouple or millivolt input within the specified subsystem.
Which companion hardware must be checked for Foxboro AD908AC FBM202?	Confirm FBM202 thermocouple/mV input path and its terminal-temperature reference and the project-specific base or terminal arrangement.

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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

What technical values should be verified before installing Foxboro AD908AC FBM202?	Verify 8 isolated thermocouple/mV inputs; also confirm 1 isolated rtd reference-junction compensation channel and every applicable range or wiring selection.
What connection details should be recorded for Foxboro AD908AC FBM202?	Record terminal identifiers, polarity, common, shield termination, connector keying and the assigned channel before disconnection.
Which diagnostics should be reviewed when commissioning Foxboro AD908AC FBM202?	Review the applicable power, communication, internal-fault and channel-status indications, then compare the controller status with the expected field condition.
Can a nearby ordering code replace Foxboro AD908AC FBM202 without an engineering check?	No. Match the complete identifier, companion hardware, signal range, wiring and controlled project configuration before substitution.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Schneider Electric, Foxboro DCS FBM202 Thermocouple/mV Input Module Product Specification, PSS 41H-2S202, May 2025.
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

Westinghouse 1C31150G01	Related product reference. Review the complete ordering string before selection.
Westinghouse 1C31238H01	Related product reference. Compare the required interface and system position.
Westinghouse 5X00121G01	Related product reference. Confirm the execution independently for the intended task.

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