

X20AI2237

Two-channel isolated analog voltage input module

B&R X20AI2237 is a Two-channel isolated analog voltage input module. It performs the documented X20 System system role in the approved industrial installation.

BRAND	B&R	FAMILY	X20 System
PART	X20AI2237	SYSTEM ROLE	Provides the documented two-channel isolated analog voltage input module function

APTER POWER SALES
TEAM

WHATSAPP / PHONE
+86 180 3023 5313
EMAIL sales13@apterp
ower.com
WEBSITE
www.apterpower.com



X20AI2237

MANUFACTURER SOURCE RECORD

B&R X20AI2237 product data
B&R product record X20AI2237

Product Overview

SYSTEM FUNCTION

B&R X20AI2237 is a Two-channel isolated analog voltage input module. It performs the documented X20 System system role in the approved industrial installation.

FUNCTION 1

Provides the documented two-channel isolated analog voltage input module function

FUNCTION 2

Uses exact B&R article identity X20AI2237

FUNCTION 3

Integrates with the matched X20 System hardware

FUNCTION 4

Supports controlled diagnostics and functional verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	X20 System
Primary interface	Provides the documented two-channel isolated analog voltage input module function
Engineering context	The component is used with the exact carrier, terminal, power, signal and network arrangement approved for B&R X20AI2237. Commissioning preserves the installed configuration and verifies controlled system response.
Commissioning duty	Complete a controlled functional test and retain the acceptance result before production release.

TECHNICAL NOTE

Confirm the bus module and terminal block, preserve channel polarity and shield routing, then simulate negative, zero and positive values.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Inputs	2	Bus modules	X20BM11 or X20BM15
Signal range	+/-10 V	Terminal block	X20TB12
Resolution	16 bit	Timing	NetTime timestamp support
Isolation	Channel-to-channel and sensor-supply isolation		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
B&R 7CP474.60-1	Related industrial automation product	View B&R 7CP474.60-1 page
B&R 8I0IF109.400-2	Related industrial automation product	View B&R 8I0IF109.400-2 page
B&R 8I0IF109.400-1	Related industrial automation product	View B&R 8I0IF109.400-1 page
B&R 5ACPCI.ETH3-01	Related industrial automation product	View B&R 5ACPCI.ETH3-01 page
B&R 5AP1130.185C-000	Related industrial automation product	View B&R 5AP1130.185C-000 page
Bihl+Wiedemann BWU3274	Related industrial automation product	View Bihl+Wiedemann BWU3274 page
Bihl+Wiedemann BWU1777	Related industrial automation product	View Bihl+Wiedemann BWU1777 page
Anybus AB7000-C	Related industrial automation product	View Anybus AB7000-C page

ENGINEERING BOUNDARY

Confirm B&R X20AI2237, X20 System host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

X20 System system maintenance

Restores the documented two-channel isolated analog voltage input module function in an engineered installation.

Control-panel modernization

Preserves the approved B&R hardware identity during a controlled system upgrade.

Installed-interface verification

Confirms the documented inputs and signal range before process release.

Controlled recommissioning

Verifies configuration, diagnostics and field response after maintenance or replacement.

Product Precautions

- 1

Confirm the complete B&R X20AI2237 marking and installed X20 System position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record power, signal, network, terminal and protective-ground connections before removal.
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.
- 5

Verify inputs (2) against the installed project and connected hardware.
- 6

Verify signal range (+/-10 V) and restore only the approved configuration.
- 7

Energize in the prescribed sequence and review module, host and network diagnostics.
- 8

Complete a controlled functional test and retain the acceptance result before production release.

IMPORTANT NOTICE

Confirm B&R X20AI2237, X20 System host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	X20AI2237
Configuration	Energize in the prescribed sequence and review module, host and network diagnostics.
Functional release	Complete a controlled functional test and retain the acceptance result before production release.

Engineer FAQ

Q1 Which X20 System position accepts X20AI2237?

Use the approved X20 System position and confirm the complete B&R X20AI2237 article identity.

Q3 Which value is checked first for X20AI2237?

Check inputs: 2.

Q5 What should be recorded before removing X20AI2237?

Record every power, signal, network, terminal and configuration assignment.

Q7 How is X20AI2237 recommissioned?

Restore the approved hardware and project, then review diagnostics in the prescribed startup sequence.

Q2 Which documented function does X20AI2237 provide?

It provides the documented two-channel isolated analog voltage input module role in the configured system.

Q4 Which second interface value governs X20AI2237?

Verify signal range: +/-10 V.

Q6 How is X20AI2237 handled safely?

Isolate applicable energy, apply ESD controls and protect all connectors and terminals.

Q8 What releases X20AI2237 to service?

A controlled functional test with the expected response and no unresolved diagnostics.

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