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Data Sheet

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

DynamicSignals / Kinetic Systems 3922-Z1B CAMAC Parallel Bus Crate Controller

The DynamicSignals/Kinetic Systems 3922-Z1B is a CAMAC (Computer Automated Measurement and Control) Parallel Bus Crate Controller. It is an interface, enabling communication and control between a computer and CAMAC modules within a crate. This controller facilitates data acquisition, instrument control, and automation in scientific and industrial applications using the CAMAC standard.



MODEL

**DynamicSignals /
Kinetic Systems
3922-Z1B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3922-Z1B

LISTING

<https://aumictechlabs.com/products/3922-z1b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DynamicSignals / Kinetic Systems 3922-Z1B is a double-width CAMAC Parallel Bus Crate Controller that interfaces host computers with CAMAC modules in instrumentation racks. It employs an eight-bit multiplexed parallel bus with RS-485 balanced-line signaling, enabling communication distances up to 91 meters (300 feet) and supporting up to eight crate controllers on a single bus. Field-selectable as main or auxiliary controller, the 3922-Z1B delivers flexible multi-crate system architecture for automated measurement and control applications. Technical Specifications Bus Architecture Eight-bit multiplexed parallel bus for address and data transfer

RS-485 balanced-line signaling Maximum bus length: 91 meters (300 feet) Twisted-pair, flat-ribbon bus cable Bus termination by last 3922 controller on the bus Up to 8 crate controllers addressable per bus Crate Control Front-panel switch selectable crate address: 0–7 Field-selectable main or auxiliary crate controller operation 24-bit LAM (Look-At-Me) mask Interrupt support via CAMAC Done or pending LAM Parallel poll capability during LAM interrupts Data Transfer Performance DMA support via Models 2922, 2926, 2927, 2928 interface cards Model 2922: 16-bit DMA up to 1 Mbyte/s Model 2926: 16-bit DMA up to 250 kbyte/s Model 2927: 16-bit DMA up to 800 kbyte/s Model 2928: 16-bit DMA up to 500 kbyte/s Block transfer support via Models 2917 (VME), 2932 (Macintosh II), 2915 (PCI) Physical Double-width CAMAC module form factor Compliant with IEEE-583 CAMAC standard Key Features Multi-crate scalability with eight-controller addressing per bus Extended communication range supports distributed measurement systems Direct memory access eliminates programmed I/O bottlenecks Parallel poll reduces interrupt service routine overhead in multi-crate configurations Field-programmable controller role simplifies system reconfiguration Compatibility & Integration Host computer integration requires compatible interface cards: IBM PC/AT, PS/2: Models 2926, 2927, 2928 DIGITAL Q-bus: Model 2922 Macintosh II: Model 2932 VME systems: Model 2917 PCI systems: Model 2915

3922Z1B Characteristics / Specifications

PARAMETER	VALUE
Model	3922-Z1B
Instrument Type	CAMAC parallel bus crate controller
Family	Kinetic Systems 3922
Bus	CAMAC Dataway plus host parallel bus
Manufacturer	Kinetic Systems / DynamicSignals
Literature	Kinetic Systems 3922-Z1B CAMAC crate-controller listings
System Role	CAMAC crate master
Use Case	Dataway cycles and LAM handling
Standard Class	IEEE-583 CAMAC class
Config Suffix	Z1B
Host Class	parallel-bus host
Module Class	crate controller
Documentation Type	OEM 3922 listing
Brand Lineage	Kinetic Systems / DynamicSignals
Application Class	nuclear/physics/ATE CAMAC
Slot Class	CAMAC crate controller station
Protocol Class	CAMAC Dataway
Related	Kinetic Systems CAMAC I/O modules
Connector Class	Dataway plus parallel host
Ate Class	crate control
Register Class	CAMAC NAF addressing
Year Class	3922-Z1B
Control Class	host parallel crate controller
Io Class	crate Dataway master

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Kinetic Systems 3922-Z1B CAMAC parallel-bus crate-controller listings. Dataway cycle timing and host-bus pinout are on the 3922 specification; do not invent them.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.