

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

DynamicSignals / Kinetic Systems V200-AA11 16-Channel 16-Bit Sigma-Delta ADC

DynamicSignals / Kinetic Systems Data Acquisition Systems (DAQ). Channels: ** 16, Resolution: ** 16-bit.

**MODEL****DynamicSignals /
Kinetic Systems
V200-AA11****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****V200-AA11****LISTING**[https://aumictechlabs.c
om/products/v200-aa11
-3/](https://aumictechlabs.com/products/v200-aa11-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DynamicSignals / Kinetic Systems V200-AA11 is a 16-channel, 16-bit Sigma-Delta ADC module engineered for simultaneous sampling across all input channels. Designed for high-precision data acquisition in laboratory, industrial, and research environments, this analog-to-digital converter delivers real-time digitization of multiple analog signals with 16-bit resolution. The simultaneous sampling architecture ensures phase coherence across channels - essential for multichannel measurement applications requiring synchronized data capture. Technical Specifications Channels: 16 Resolution: 16-bit ADC Architecture: Sigma-Delta Sampling Method: Simultaneous across all channels Input Type: Analog Form Factor: Module Key Features 16-bit resolution supports dynamic range requirements typical of precision measurement systems Sigma-Delta architecture provides inherent noise shaping and digital filtering Simultaneous

sampling preserves phase relationships between channels Module form factor integrates into custom data acquisition systems Typical Applications Multi-channel signal monitoring in test and measurement Industrial sensor data acquisition Research instrumentation requiring synchronized analog capture Systems where phase coherence across channels is critical Compatibility & Integration The V200-AA11 integrates into custom data acquisition systems and platform-agnostic architectures. System integration depends on host-level compatibility with the module's digital output interface and available driver support.

V200AA11 Characteristics / Specifications

PARAMETER	VALUE
Model	V200-AA11
Instrument Type	VXI sigma-delta analog input module
Family	Kinetic Systems / DynamicSignals V200
Channel Count	16 (AA11 base-card option)
Resolution	16-bit AD7722
Maximum Sample Rate	200 kSamples per second
Oversample Ratio	128 (clock 64 times sample rate, two samples per clock)
Sample Clock Range	5 kHz to 200 kHz
Clock Source Range	320 kHz to 12.8 MHz corresponding to those sample rates
Form Factor	VXI C-size single width
Address Space	A16 configuration registers and A32 operational registers
Data Transfer	D16, D32, D32BLT (fastest supported)
Groups	two independently clockable groups; may share one sample clock
Triggers	VXI TTL trigger lines plus front-panel SMB Trigger Out
External Clock	TTL SMB, 40 to 60 percent duty cycle when supplying sample clock
Limit Checking	DSP level/slope or min/max; can start transient countdown
Memory	ping-pong dual buffer; optional 4 MB or 16 MB multibuffer per group
Self Test	plus/minus full scale and zero at each gain; SYSFAIL on fail
Logical Addresses	256 VXI logical addresses, 0 reserved for slot-0
Front Connector	channels 1-16 on front high-density connector
Manufacturer	Kinetic Systems / DynamicSignals (Vitretek support)
Literature	Kinetic Systems V200 Getting Started / user literature
System Role	register-based VXI analog input
Clock PII	PLL multiplies external sample clock by 64
Tick Counter	on-board tick count insertable in data stream

V200AA11 Specifications

PARAMETER	VALUE
Key Features	16-channel 16-bit sigma-delta VXI ADC
Up to 200 kSamples/s per AD7722	5 kHz to 200 kHz sample clock
Technical Specifications	Model: V200-AA11

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	
Specifications	
PARAMETER	VALUE
Model	V200-AA11
Instrument Type	VXI sigma-delta analog input module
Family	Kinetic Systems / DynamicSignals V200
Channel Count	16 (AA11 base-card option)
Resolution	16-bit AD7722
Maximum Sample Rate	200 kSamples per second
Oversample Ratio	128 (clock 64 times sample rate, two samples per clock)
Sample Clock Range	5 kHz to 200 kHz
Clock Source Range	320 kHz to 12.8 MHz corresponding to those sample rates
Form Factor	VXI C-size single width
Address Space	A16 configuration registers and A32 operational registers
Data Transfer	D16, D32, D32BLT (fastest supported)
Groups	two independently clockable groups; may share one sample clock
Triggers	VXI TTL trigger lines plus front-panel SMB Trigger Out
External Clock	TTL SMB, 40 to 60 percent duty cycle when supplying sample clock
Limit Checking	DSP level/slope or min/max; can start transient countdown
Memory	ping-pong dual buffer; optional 4 MB or 16 MB multibuffer per group
Self Test	plus/minus full scale and zero at each gain; SYSFAIL on fail
Logical Addresses	256 VXI logical addresses, 0 reserved for slot-0
Front Connector	channels 1-16 on front high-density connector
Manufacturer	Kinetic Systems / DynamicSignals (VitreK support)
Literature	Kinetic Systems V200 Getting Started / user literature
System Role	register-based VXI analog input
Clock P11	PLL multiplies external sample clock by 64
Tick Counter	on-board tick count insertable in data stream

Notes

From Kinetic Systems V200 Getting Started literature (AA11 = 16 channels, AD7722 16-bit to 200 kS/s). Input voltage ranges and THD belong on the V200 analog specification table; 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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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