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Data Sheet

August 15, 2026

CURTISS-WRIGHT / ACRA CONTROL

Curtiss-Wright / ACRA Control KAD/ADC/106/C/00 Accelerometer ADC Module - Conformal Coated

Curtiss-Wright / ACRA Control Data Acquisition Systems (DAQ). Voltage: 24 V, Bandwidth: 6 kHz (AAAF filter).



MODEL

**Curtiss-Wright /
ACRA Control
KAD/ADC/106/C/00**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

KAD/ADC/106/C/00

LISTING

<https://aumictechlabs.com/products/kad-adc-106-c-00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Six accelerometer inputs with DC-reject and constant current source excitation (3.6 mA typical) Supports ICP, Isotron, Piezotron, and Deltatron sensor types Two differential-ended analog channels for general signal measurement Accelerometer input ranges: ± 1 V, ± 10 V with four gain settings (Gain 1: -10 V to +10 V; Gain 10: -1 V to +1 V; Gain 100: -100 mV to +100 mV; Gain 1000: -10 mV to +10 mV) Differential input ranges: ± 10 mV to ± 10 V Constant current source compliance voltage: 24 V Channel isolation: short on any accelerometer input does not affect others Sampling & Filtering Analog sampling rate: 2 to 24000 Sps Oversampling rate: 96 kSps to 192 kSps 16-bit simultaneous sampling on each channel Individual channel sampling rates settable as powers of two relative to each other Cascaded half-band FIR filters followed by 8th order Butterworth IIR

filter Default cutoff frequency: $f_c = f_s / 4$ Maximum bandwidth: 6 kHz (AAAF filter) User-programmable filter cutoff frequency Electrical Performance Input impedance (at 3 kHz): 0.8–1 M Ω (powered off); 250–300 k Ω (powered on); 10–10 M Ω (powered on DC) Common mode voltage range: -10 V to +10 V CMRR: 50 dB ($0 \leq f \leq f_c$) Crosstalk: -72 to -60 dB (Gains 1, 10, 100); -45 dB (Gain 1000) DC error (2.2 k Ω load): 1.6 mA DC current noise: 3 mVrms Physical Mass: 100 g (3.53 oz) Conformal coating applied

KADADC106C00 Characteristics / Specifications

PARAMETER	VALUE
Model	IP-Precision-ADC
Alternate Names	IP-PREC-ADC IP-PRE-ADC
Instrument Type	12-bit analog input with dual DAC IndustryPack
Form Factor	single wide IndustryPack ANSI VITA 4
Single Ended Inputs	20
Differential Inputs	8
Adc Resolution	12 bit
Dac Channels	2
Dac Resolution	12 bit
Programmable Gain Range	1 to 500
Conversion Time	less than 14 us
Instant Read Cycle Time	13 to 14 us
Throughput Usable	over 60000 conversions per second
Access Mode Instant	I/O space single-cycle conversion
Access Mode Pipelined	memory space with Ready bit
Input Mixing	single-ended and differential dynamically mixed
Track And Hold	provided
Part Number Example	3007410111
Module Width	single wide
Mezzanine Standard	ANSI VITA 4 IndustryPack
Carrier Interface	IndustryPack logic interface
Catalog Alias	resistive bridge driver class precision ADC
Dimensions Typical Ip	1.800 by 3.900 by 0.340 inches maximum

KADADC106C00 Specifications

PARAMETER	VALUE
Applications	Bridge and low-level sensor measurement, precision industrial DAQ, and mixed analog I/O on IndustryPack carriers.
Key Features	Twenty single-ended or eight differential 12-bit inputs
Instant and pipelined conversion access modes	Throughput over 60000 conversions per second

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 Greenspring SBS Abaco IP-Precision-ADC Artisan OEM description. Exact input voltage spans at each gain belong on the OEM datasheet for the installed revision.	

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

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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.