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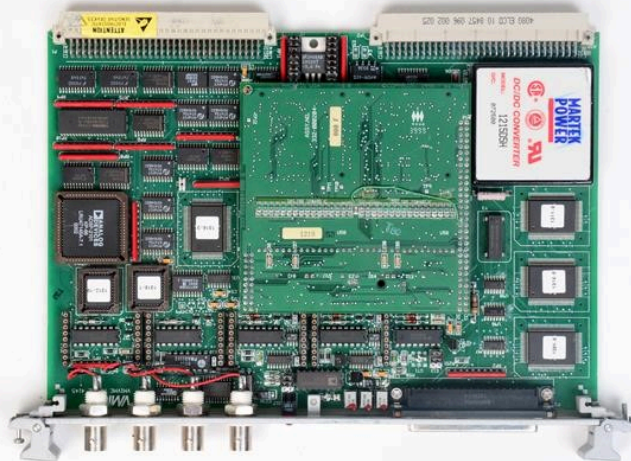
Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-4145-000 Arbitrary Waveform Generator

The VMIVME-4145-000 is an Arbitrary Waveform Generator by Abaco Systems / VMIC. Designed for VMEbus systems, it provides high-precision waveform generation capabilities. Ideal for applications requiring custom signal creation, this module ensures accurate and reliable performance in demanding industrial and scientific environments.

**MODEL****Abaco Systems /
VMIC VMIVME-
4145-000****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-4145-
000****LISTING**[https://aumictechlabs.c
om/products/vmivme-4
145-000-2/](https://aumictechlabs.com/products/vmivme-4145-000-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / VMIC VMIVME-4145-000 is a VMEbus-based Arbitrary Waveform Generator delivering high-precision, user-defined signal generation for demanding industrial and scientific applications. This module integrates directly into VMEbus systems, enabling custom waveform creation through onboard waveform memory and VMEbus-compatible control protocols. Technical Specifications -# Waveform Generation Arbitrary waveform generation with user-defined signal capability Onboard waveform memory for waveform storage -# Output Characteristics Arbitrary waveform output support -# Control & Interface VMEbus interface and control protocol compatibility Key Features Direct VMEbus integration eliminates external control hardware

requirements User-programmable waveform memory supports custom signal design VMEbus protocol control enables seamless integration into existing test architectures Industrial and scientific application focusTypical Applications Custom signal generation in automated test equipment (ATE) Industrial process control and monitoring Scientific research requiring arbitrary waveform synthesis Specialized signal conditioning in instrumentation systemsCompatibility & Integration The module operates as a VMEbus peripheral, requiring standard VMEbus backplane integration. Programming and operational control leverage established VMEbus protocols, making it compatible with existing VMEbus-based test and measurement systems. The form factor adheres to VMEbus module standards for drop-in installation.

VMIVME4145000 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-4145
Instrument Type	4-channel 16-bit arbitrary waveform generator analog output board
Card Form Factor	VME 6U
Output Channels	4
Dac Resolution	16 bits
Dacs Per Channel	one dedicated DAC per output
Channel Voltage Range 0 To 5 V	supported
Channel Voltage Range 0 To 10 V	supported
Channel Voltage Range Plus Minus 2.5 V	supported
Channel Voltage Range Plus Minus 5 V	supported
Channel Voltage Range Plus Minus 10 V	supported
Output Drive At Plus Minus 10 V	source or sink 10 mA
Throughput Timing Class	400 ns
Waveform Mode Continuous	supported
Waveform Mode Single Burst	supported
Waveform Mode Burst Idle Burst	supported
Autocalibration	all channels
Self Test Trigger Reset	supported
Self Test Trigger Software	supported
Offline Disconnect	analog outputs disconnectable from field wiring
Function Class	16-bit DAC arbitrary waveform
Product Alias	VME-4145
Ordering Alias Base	VMIVME-4145-000
Ordering Alias Example	VMIVME-4145-001
Lifecycle Note Class	entered restricted production phase September 11 2018 per Abaco

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 Abaco Systems VME-4145 / VMIVME-4145 product overview and specifications table. Queue SKUs VMIVME-4145-	

000 and -001 are configuration suffixes of the same four-channel AWG board. Extended settling and accuracy tables belong in the hardware reference manual when not on the public web sheet.

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.