ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

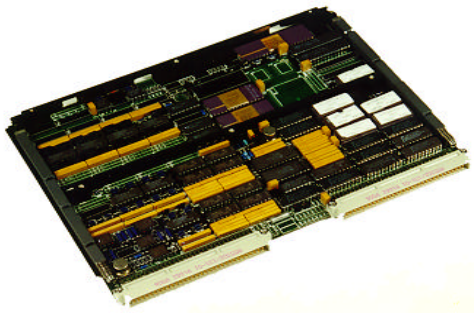
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Curtiss-Wright / Vista Controls ADC-CL1-100* at our website: ***Click HERE***

ADC (Analog DC)

Combination DC Differential A to D, D to A and Discrete I/O

The VISTA Controls family of Rugged 6U VME I/O cards have been designed to provide system engineers with maximum flexibility and reliability to meet their I/O requirements with Off-The-Shelf Solutions.



APPLICATIONS

Navigation Systems
Fire Control Systems
Flight Control Systems
Sight-head Stabilization
Data Collection
Communication
C3I

The **VISTA ADC (Analog DC)** card provides the User with a very unique mix of Input/Output. This allows the incorporation of a variety of I/O in the smallest number of cards possible.

The **VISTA ADC (Analog DC)** card serves up 15 channels of DC Differential inputs, 6 channels of DC outputs and 16 channels of 28V Discrete I/O (all on one single card).
Factory programmable 2nd order anti-alias filters are available for the DC inputs, and first order filters for the DC outputs. This feature can provide the User with that extra degree of control that will make the difference in your program.

The Analog (DC) board is the ideal single board solution for airborne, shipboard, land vehicle and other harsh environment applications.
At the request of the customer, VISTA can offer modifications to the listed features which could satisfy that totally unique application requirement.

FEATURES:

Dual Port SRAM: 256 Kbytes

VME Interface:
- 6U VMEbus Slave A24/D16
- Programmable interrupter: 7 levels

Power Consumption: (typical)
5V @ 1.55 amps, ±12V @ 100mA, &28VDC@ 30mA

Mechanical:
- IEEE 1101.2 single-slot @ 0.8 inch centers
- Wedge locks, Integral heat sinks and stiffeners
- Front Panel on Air Cooled versions
  - » IEEE 1101.1 Compliant
- Weight: 22.4 oz (Conduction Cooled)

Built-In-Test Circuitry:
- For Continuous and Initiated Bit Operation

15) Channels of Differential DC Analog-to-Digital Converter
- Differential Inputs; ±10V Standard
- Factory programmable 2nd order anti-alias filters:
  - 0, 100 & 1000Hz Standard
- Converts every input at over 3000 samples per second
- 12 bit resolution

(6) Channels of DC Outputs
- ±10 V peak outputs Standard
- Some channels can be converted to current output with mode (for use servo-valves etc...)
- 10 mA capability
- 12 Bit Resolution

(16) Channels of 28volt Discrete I/O
- 28VDC low-side drivers
- 100mA sink current per channel
- Inputs are capable of sensing 28V, Open Circuit, and GND

Automatic Data Sequencer
- Stores input values to SRAM
- Programmable sample rate
- Random reads also available

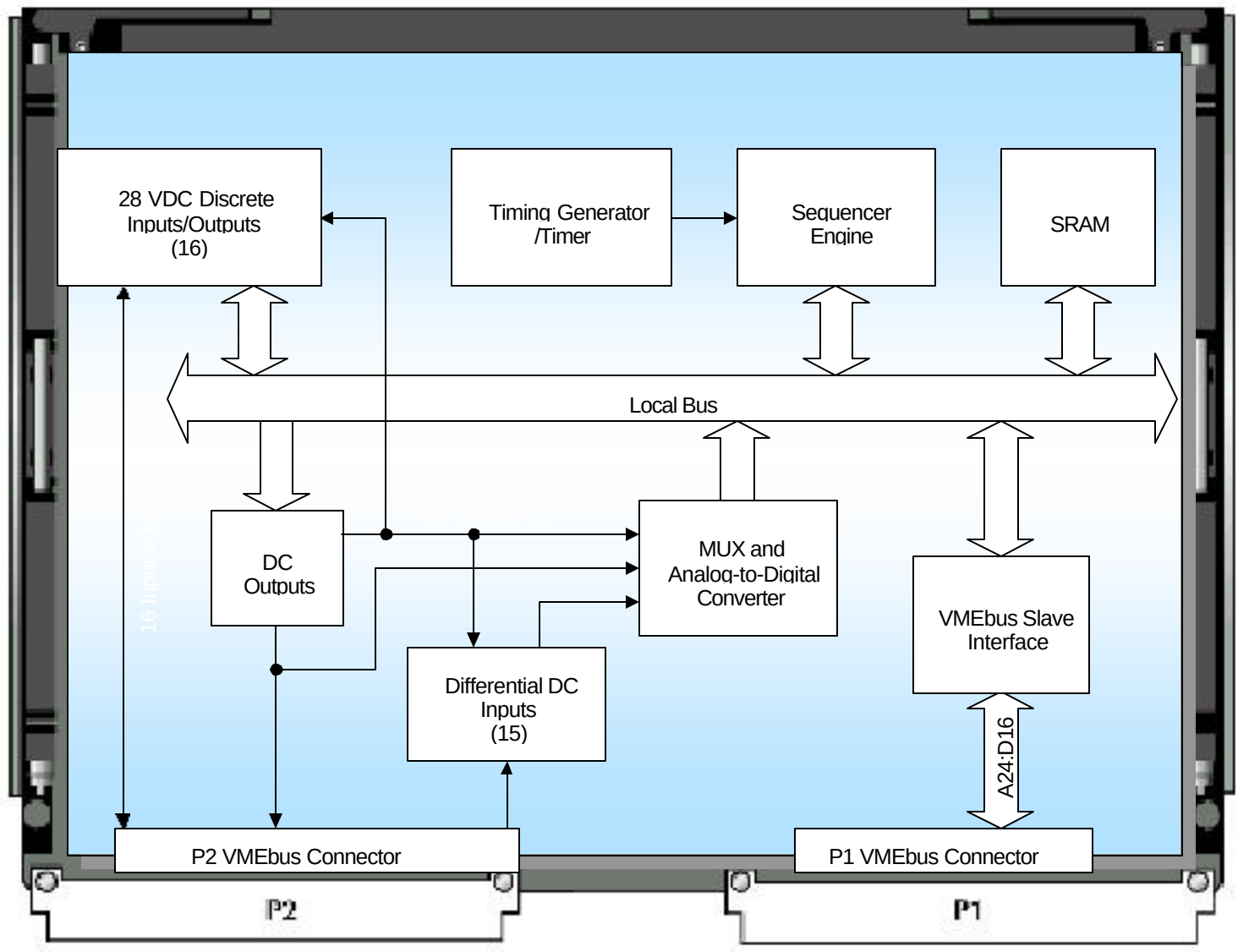
- ***System Features***

- ***VxWorks Drivers available***
  (call for other OS support)
- ***Conduction Cooled, -40°C to +75°C Operating Temperature***
  (Class 3; *see Environmental Classifications)*
- ***0.1 g² / Hz Vibration per Mil-Std-810E,***
  (Class 3)
- ***40G Shock per Mil-Std-810E,***
  (Class 3)

27825 Fremont Court
Santa Clarita, CA 91355
(661) 257-4430 phone
(661) 257-4782 fax

ADC (Analog DC)

Combination DC Differential A to D, D to A and Discrete I/O



Order Option Code	Input Filter	Input Voltage +/- VDC	Input Chan. 0-3	Imped. Chan. 4-14	Output Filter	Output Voltage +/- VDC	Primary Power
100	None	10V	100K	100K	None	8V	12V
101	None	10V	100K	100K	None	10V	15V
102	10Hz	10V	100K	100K	100Hz	10V	15V

Ordering Information: (call if your configuration is not shown)

ADC – CLx - yyy

Order Option Code From 1st Column of Table

Environmental Class

1= laboratory, convection cooled
2= rugged, convection cooled
3= rugged, conduction cooled
4= Mil Temp, conduction cooled
(see environments table in catalog for more detail)

*See Order Option Sheet for more detailed information on options

R031501

27825 Fremont Court, Santa Clarita California 91355, telephone (661) 257-4430, fax (661) 257-4782, Internet = http://www.VISTAcontrols.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP