



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

SPECIFICATIONS

PCI-DDA08/12

PCI-DDA04/12

PCI-DDA02/12

Analog Output Boards



**MEASUREMENT
COMPUTING™**

Revision 2, August, 2001

© Copyright 2001, MEASUREMENT COMPUTING CORPORATION

Typical for 25°C unless otherwise specified.

Power Consumption

+5V Operating	
PCI-DDA08/12	1.6A typical, 2.6A max
PCI-DDA04/12	1.5A typical, 2.4A max
PCI-DDA02/12	1.4A typical, 2.2A max
+12V	
PCI-DDA08/12	24 mA typical, 48 mA max
PCI-DDA04/12	12 mA typical, 24 mA max
PCI-DDA02/12	6 mA typical, 12 mA max
-12V	
PCI-DDA08/12	16 mA typical, 25 mA max
PCI-DDA04/12	8 mA typical, 12 mA max
PCI-DDA02/12	4 mA typical, 6 mA max

Analog Output

D/A converter type	AD7837B
Resolution	12 bits
Number of channels	
PCI-DDA08/12	8
PCI-DDA04/12	4
PCI-DDA02/12	2
Output Ranges	±10V, ±5V, ±2.5V, 0 to 10V, 0 to 5V, 0 to 2.5V. Each channel is independently programmable.
Data transfer	Programmed I/O.
Offset error (calibrated)	±(300 μV +¼LSB)
Gain error (calibrated)	±(300 μV +¼LSB)
Differential nonlinearity	±1 LSB max
Integral nonlinearity	±1 LSB max
Monotonicity	12 bits
D/A Gain drift	±2 ppm/°C
D/A Offset drift	±5 μV/°C
Throughput	PC dependent
Settling time (20V step to ±½ LSB)	6 μs typ, 10 μs max
Slew Rate	5V/μs
Current Drive	±5 mA
Output short-circuit duration	25 mA indefinite
Output coupling	DC
Output impedance	0.1 Ohms max
Miscellaneous	Double buffered output latches Update DACs individually or simultaneously (software-selectable) On power-up and reset, all DAC's are cleared to 0 volts, ±210mV

Digital Input / Output

Digital Type (main connector)	82C55 mode 0 emulation
Output:	74S244
Input:	74LS373
Configuration	4 banks of 8, 4 banks of 4; programmable by bank as input or output
Number of channels	48 I/O
Output High	2.4 volts min @ -15mA
Output Low	0.5 volts max @ 64 mA
Input High	2.0 volts min, 7 volts absolute max
Input Low	0.8 volts max, -0.5 volts absolute min
Power-up / reset state	Input mode (high impedance)

Environmental

Operating temperature range	0 to 70°C
Storage temperature range	-40 to 100°C
Humidity	0 to 90% non-condensing

Measurement Computing Corporation
16 Commerce Boulevard,
Middleboro, Massachusetts 02346

(508) 946-5100

Fax: (508) 946-9500

E-mail: info@measurementcomputing.com
www.measurementcomputing.com



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com