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 *Measurement Computing CIO-DAC16/16* at our website: *Click HERE*

SPECIFICATIONS

CIO-DAC08/16
CIO-DAC16/16

Analog Outputs



Revision 6, April, 2001

© Copyright 2000, MEASUREMENT COMPUTING CORPORATION

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

Power Consumption

+5V supply	
CIO-DAC16/16	1.8 A typical, 2.25 A max
CIO-DAC08/16	1.3 A typical, 1.7 A max

Analog Output

Resolution	16 bits
Number of channels	
CIO-DAC16/16	16 Voltage Outputs
CIO-DAC08/16	8 Voltage Outputs
D/A type	AD660BN
Voltage Ranges	±5V, ±10V, 0 to 5V, 0 to 10V, jumper-selectable
Offset error	Adjustable to zero
Gain error	Adjustable to zero
Differential nonlinearity	±1 LSB max
Integral nonlinearity	±1 LSB max
Monotonicity	Guaranteed monotonic to 15 bits over temperature
Gain drift (DAC)	±15 ppm/°C max
Bipolar offset drift (DAC)	±5 ppm/°C max
Unipolar offset drift (DAC)	±3 ppm/°C max
Throughput	System dependent
Slew Rate	2.8V/µs Typical
Settling time (20V step to .0008%	12 µs typ, 19 µs max
Settling time (10V step to .0008%	6 µs typ, 9 µs max
Current Drive	±5 mA min.
Output resistance (OP-27)	0.1 ohm max.
Output short-circuit duration	40 mA min. Continuous
Miscellaneous	Double-buffered output latches Update DACs individually or all DACs simultaneously (jumper-selectable) Power up and reset, all DAC's cleared to 0 volts (jumper selects bipolar or unipolar zero)

Environmental

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

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

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 - 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