2, 8 and 16 Channel, 12-Bit D/A Plug-In Cards

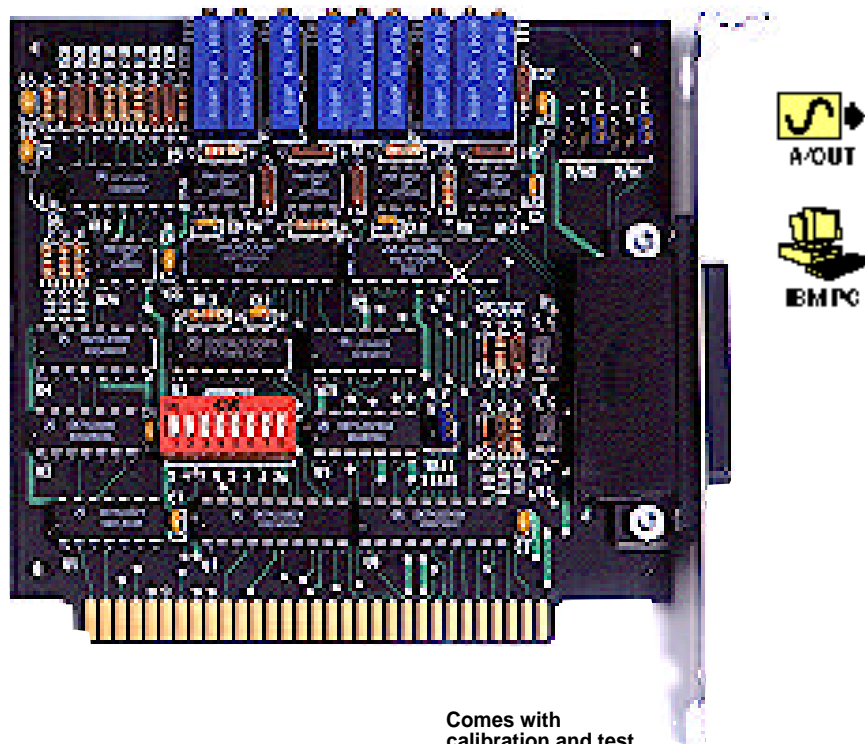**3 YEAR WARRANTY**

MADE IN USA

$195

✔ **Analog Output Ranges of 0-2.5, 0-5, 0-10, ±2.5, ±5, ±10 V**

✔ **4-20 mA Output with CIO-DAC02**

✔ **Easy to Program from Any Language Using Port Output Commands**

✔ **Includes Calibration and Test Software plus Example BASIC Programs**

The OMEGA CIO-DAC family of boards are versatile analog output plug-in cards with output ranges of 0-2.5, 0-5, 0-10,±2.5, ±5, ±10 V and 4-20 mA. They are available in 2, 8 or 16 output configurations.

Each analog output is controlled by a precision 12-bit D/A converter. A 12-bit converter provides 1/4095 parts resolution. On a scale of 0-5 V, output can be controlled to within 1.22 mV. The CIO-DAC02's D/A converter's output range may also be controlled by providing an external dc or ac reference voltage.

The CIO-DAC boards are easy to program from any language using port output commands. The output of the D/A is updated whenever the MSB is written, a technique known as double buffering. Software for calibration and test as well as example programs in BASIC are supplied.

All output range selections may be done with on-board jumpers, avoiding the need for complex connector wiring.

A/OUT

IBM PC

Comes with calibration and test software, example programs and complete operator's manual.

Common Specifications

Resolution: 12 bits, 1 part in 4095
Relative Accuracy: ½ LSB 0.01% max.
Differential Linearity: ½ LSB max.
Voltage Output Impedance: <0.1 ohm max.

Voltage Output Drive Current: ±5 mA max.
D/A Type: multiplying type

Model No.	No. of A/O	Output Ranges	Settling Time
CIO-DAC02	2	0-5, 0-10, ±5, ±10V, 4/20 mA	150 µsec
CIO-DAC08	8	0-2.5, 0-5, 0-10, ±2.5, ±5, ±10V	5 µsec
CIO-DAC16	16	Same as AS CIO-DAC08	5 µsec

Software Supported: BASIC, LabTech Notebook, LabTech Control, and any language with port output.

To Order *(Specify Model Number)*		
Model No.	**Price**	**Description**
CIO-DAC02	**$195**	2-Channel, 12-bit analog output board
CIO-DAC08	**499**	8-Channel, 12-bit analog output board
CIO-DAC16	**999**	16-Channel, 12-bit analog output board
DFCON-25	**15**	Connector kit for CIO-DAC02
CIO-TERMINAL	**99**	Terminal panel with prototype area for CIO-DAC08 and CIO-DAC16, requires C37FFS-5 cable

Comes with calibration and test software, example programs and complete operator's manual.
Ordering Example: *CIO-DAC02 analog output board plus DFCON-25 connector kit, $195 + 15 = **$210.***