

IEEE-488 Digital-to-Analog Converter with Digital I/O

OMB-DAC488



\$1295



- ✓ **Two or Four 12-Bit Plus Sign Isolated D/A Converters**
- ✓ **Programmable Ranges ± 1 , 5, or 10 V Full Scale**
- ✓ **Built-In 8192-Point Waveform Buffer with 1 kHz Update Rate**
- ✓ **500 V Isolation from IEEE Common and From Other Analog Channels**
- ✓ **8-Bit Digital Input Port and 8-Bit Digital Output Port**

The OMEGA OMB-DAC488 IEEE-to-12 bit plus sign analog output converter features either two or four analog output channels that are isolated from IEEE common and from other analog voltage channels by up to 500 V. Each channel can be programmed for full-scale output of ± 1 , 5 or 10 V. The user can program each channel for output in increments of 1 part in 4096 plus sign. Outputs may be specified in either volts or bits from the IEEE bus. A quick disconnect terminal block provides convenient signal connection.

An 8192 sample waveform buffer allows the user to store waveforms for each

channel with a maximum update rate of 1 kHz per sample. Each waveform can be output in sequence based on a periodic interval, external trigger or software command. Each port can be triggered independently via any of the trigger conditions.

Eight bits of digital input and eight bits of digital output are also provided. These are TTL-level non-isolated lines that can be programmed from the IEEE bus.

Specifications

ANALOG OUTPUT

Range	Accuracy	Resolution
1 V range	± 1.0000 V	250 μ V/bit
5 V range	± 5.0000 V	1.25 mV
10 V range	± 10.000 V	2.5 mV

Temperature Coefficient:

DC Output Current: ± 10 mA max

Channel-to-Channel Isolation: 500 V max.

Channel-to-Digital Lo Isolation: 500 V max.

Connector: Quick disconnect terminal block with screw connections

DIGITAL I/O

Number of Inputs: 8 bits, TTL level compatible

Number of Outputs: 8 bits, selectable TTL level compatible or open collector with 100 mA drive

Service Request Input: 1 bit, TTL level compatible

Connector: One 20-pin card edge, mating connector supplied

IEEE-488

Connector: Standard IEEE-488 connector with metric studs

GENERAL

Power: 105-125 or 210-250 Vac, 50/60 Hz; 20 VA max.

Operating Temperature: 32 to 122 °F (0 to 50°C), 0 to 95% RH (non-condensing)

Dimensions: 1.75" H x 16.75" W x 12" D (45 x 425 x 305 mm)

Weight: 7 lbs (3.2 kg)

To Order (*Specify Model Number*)

Model No.	Price	Description
OMB-DAC488/2	\$1295	Two-channel isolated analog output with mating screw terminal connector and rack mount kit
OMB-DAC488/4	1595	Four-channel isolated analog output with mating screw terminal connector and rack mount kit
OMBX-CA-7-3	100	6' Shielded IEEE cable

Comes with mating screw terminal connector, rack mount kit and complete operator's manual.
Ordering Example: OMB-DAC488/2 two-channel board. **\$1295.**