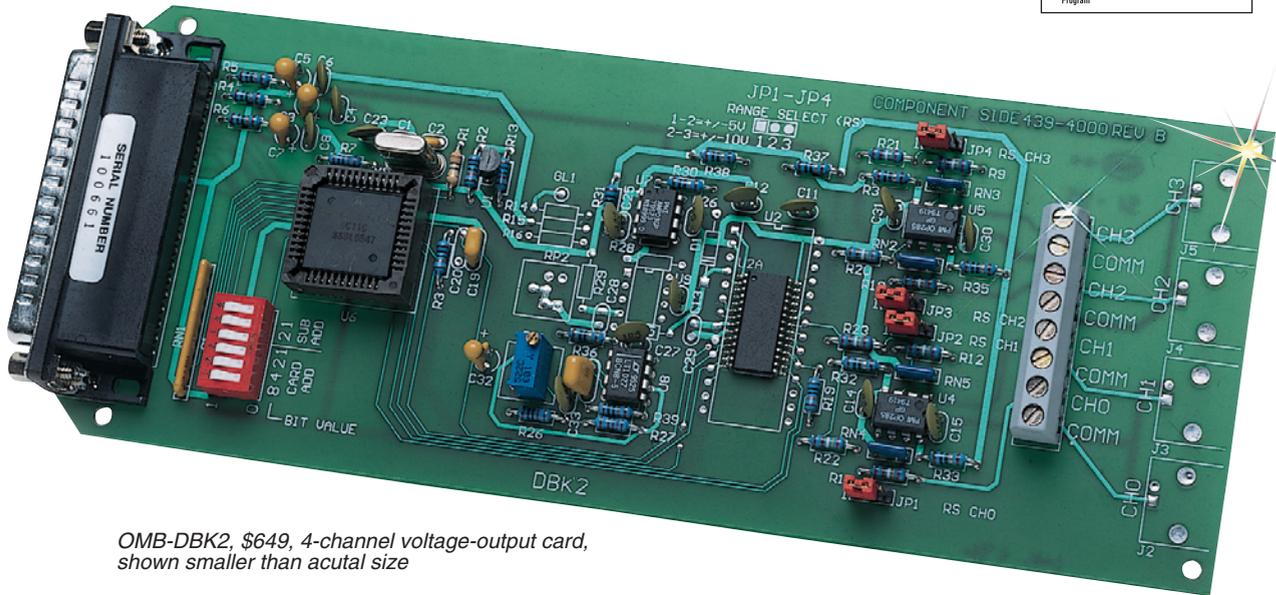


OMB-DBK2

4-Channel D/A Voltage-Output Card for OMB-DAQBOARD-2000 Series

Model OMB-DBK2

\$649



OMB-DBK2, \$649, 4-channel voltage-output card, shown smaller than actual size

- ✓ **14-Bit, Quad Analog Output**
- ✓ **Features On-Board Bipolar Reference for Accurate and Stable Voltage Outputs**
- ✓ **Provides Per-Channel Bipolar Voltage Ranges**

The 4-channel OMB-DBK2 voltage-output card provides OMEGA's OMB-DAQBOARD-2000 Series data acquisition systems with the ability to generate precise bipolar analog voltage outputs. The OMB-DBK2's outputs can be programmed with a static value whenever the data acquisition system is not transferring A/D data.

The card is particularly useful for applications that require program-mable voltage sources or the control of devices such as programmable power supplies and process controllers.

Up to 64 OMB-DBK2 cards can be attached to one OMB-DAQBOARD-2000 Series card, for a total of 256 outputs.

Card Architecture

The OMB-DBK2 features a quad 14-bit D/A converter that permits it to generate up to a ± 5 V or ± 10 V voltage. Voltage ranges are jumper selectable per channel. The card is also equipped with an on-board bipolar reference to ensure accurate and stable output voltages.

Applications

The OMB-DBK2's precise voltage output makes it especially useful for applications that require programmable voltage sources or test-signal generation.

It is also ideal for applications that require the control of external

devices such as programmable power supplies, proportional actuators, analog indicators, and process controllers.

Specifications

Connectors:

DB37 male, mates with P1 pinout on the OMB-DAQBOARD-2000 Series; screw terminals for signal outputs

Resolution: 14-Bit

Output Ranges:

± 5 V and ± 10 V (selectable per-channel via jumpers)

Accuracy: 0.05% FS

Linearity: 0.02% FS

Hysteresis: 0.01% FS

Output Current: 5 mA typ

Power Consumption: 565 mW

Cables: Use OMB-CA-37-x with OMB-DAQBOARD-2000 Series

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
OMB-DBK2	\$649	4-Channel D/A Voltage-Output Card

Ordering Example: OMB-DBK2 4-channel D/A voltage-output card, \$649.

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters