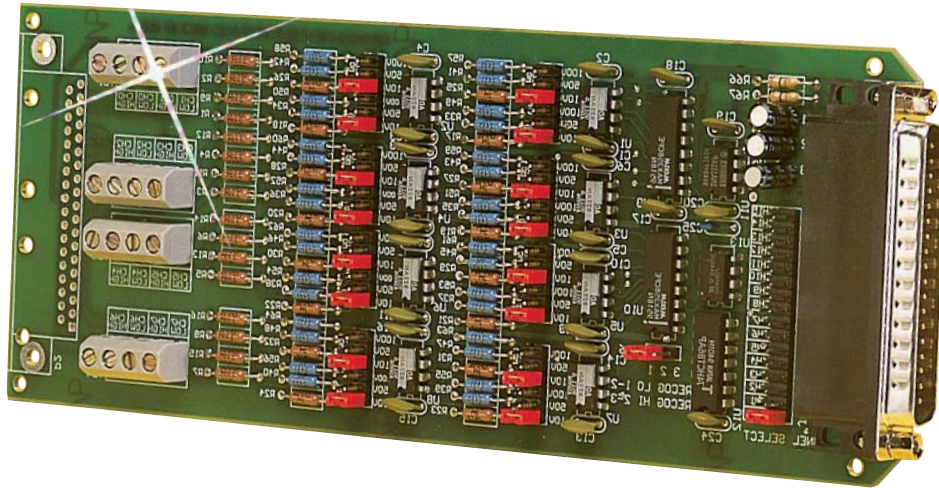


OMB-DBK8

8-Channel High-Voltage Input Card for OMB-LOGBOOK and OMB-DAQBOARD-2000 Series

Model OMB-DBK8

\$749



- ✓ Provides 8 High-Voltage Input Channels
- ✓ Per-Channel Selection of Three Voltage Ranges Via Jumper
- ✓ Provides 10 MΩ Input Impedance for Minimum Loading Errors
- ✓ Buffered Inputs on Each Channel for High-Speed Scanning

The 8-channel OMB-DBK8 high-voltage input card provides 3 input ranges, which can be set on a per-channel basis

Each of the OMB-DBK8's inputs provides an individual buffer amplifier that allows the combination of high-speed (10 μs/reading) and high-input impedances.

As many as thirty-two OMB-DBK8 cards can be used in one system, for a total of 256 high-voltage differential inputs.

Specifications

Connector: DB37 male, mates with P1 pinout on the OMB-LOGBOOK or OMB-DAQBOARD-2000; screw terminals for signal inputs

Voltage Input Ranges: ±10 Vdc, ±50 Vdc, ±100 Vdc; selection by jumper for each channel

Input Impedance: 10 MΩ

Attenuation:

10 V	$V_{out} = V_{in}/2$
50 V	$V_{out} = V_{in}/10$
100 V	$V_{out} = V_{in}/20$

Bandwidth: 15 kHz

Attenuation Accuracy: 0.5%

Offset Voltage

Typ: 0.5 mV
Max: 2.0 mV

Offset Drift

Typ: 4 μV/°C
Max: 10 μV/°C

Cables:

Use OMB-CA-37-x with OMB-LOGBOOK and OMB-DAQBOARD-2000 Series

The OMB-DBK8 provides eight high-impedance, high-voltage input channels for OMEGA's OMB-LOGBOOK and OMB-DAQBOARD-2000 Series data acquisition systems. The OMB-DBK8 accommodates 10, 50, or 100 VFS bipolar inputs that you can set on a per-channel basis via jumpers on the card.

The OMB-DBK8's 10 MΩ input impedance presents minimal loading of high impedance circuits and transducers (*e.g.*, string pots), which ensures accurate readings over a wide range of source impedance, and high impedance transducers, such as string pots.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model Number	Price	Description
OMB-DBK8	\$749	8-Channel High-Voltage Input Card

Ordering Example: OMB-DBK8 8-channel high-voltage input card, \$749.

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• Heaters

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