

OMB-DBK85

16-Channel Differential Voltage Input Module For Use with OMB-DAQBOARD-2000 Series, OMB-DAQSCAN-2000 Series and OMB-LOGBOOK-300

\$899
Basic Unit



- 16 Differential Input Channels via BNC Connectors
- Unity Gain Combines with A/D Gains to Provide Full Scale Inputs from ± 156 mV to ± 10 V
- Ultra Low-Noise, High-Speed Design

OMB-DBK85, \$899, shown smaller than actual size

The OMB-DBK85 adds the convenience of BNC inputs plus 16 additional differential channels to any OMB-DAQBOARD-2000, OMB-DAQSCAN-2000 or OMB-LOGBOOK-300 system.

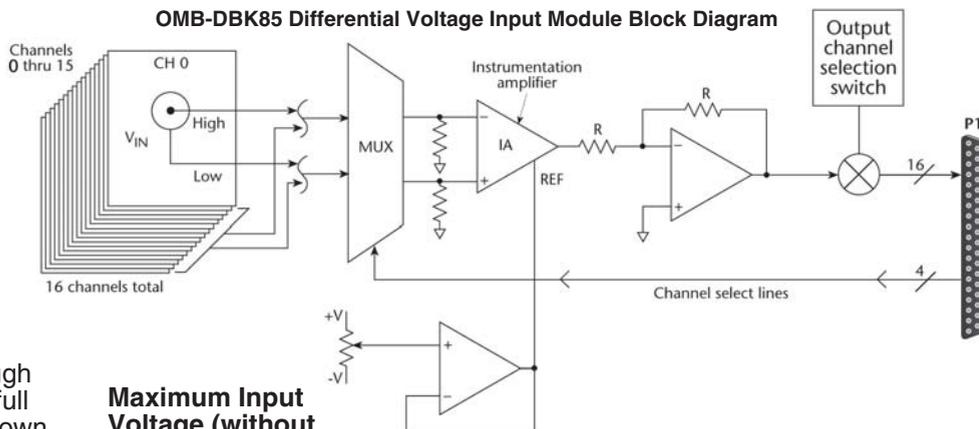
The OMB-DBK85 provides 16 channels of differential voltage input. It has a single, unity-gain input stage on all channels. When this is coupled with the A/D's on-board x1 through x64 programmable input gains, full scale input ranges from ± 10 V down to ± 156 mV.

The OMB-DBK85's ultra low noise, high-speed design allows users to expand their input to 256 channels without sacrificing measurement integrity.

Specifications

Gain Ranges: x1
Inputs: 16 differential voltage inputs
Maximum Voltage Range: ± 10 V
Input Impedance: 20 M Ω
Accuracy: $\pm[0.025\% + 150 \mu\text{V}]$ (typ); $\pm[0.1\% + 250 \mu\text{V}]$ (max)
Temperature Coefficient: 10 ppm for every degree outside the range of 0 to 50°C
Noise: 60 μVrms (typ)

OMB-DBK85 Differential Voltage Input Module Block Diagram



Maximum Input Voltage (without damage): ± 35 V
3 dB Bandwidth: 2.6 MHz
CMRR: 80 dB (typ)
Power Consumption: 755 mW
Connector: DBK37 male, mates with P1 connector (attachment to the OMB-DAQBOARD-2000 requires an OMB-DBK200,

OMB-DBK202 or OMB-DBK203 adaptor); front-panel BNC connectors for signal connection
Operating Temperature: -30 to 70°C (-22 to 158°F)
Dimensions: 285 W x 220 D x 45 mm H (11 x 8.5 x 1.75")
Weight: 1.13 kg (2.5 lb)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OMB-DBK85	\$899	16-channel differential voltage input module
OMB-RACKDBK3	103	Rack mount kit for OMB-DBK85

Ordering Example: OMB-DBK85, 16-channel differential voltage input module and OMEGACARE 1 year extended warranty for OMB-DBK85 (adds 1-year to standard 1-year warranty), \$899 + 89 = \$988.

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