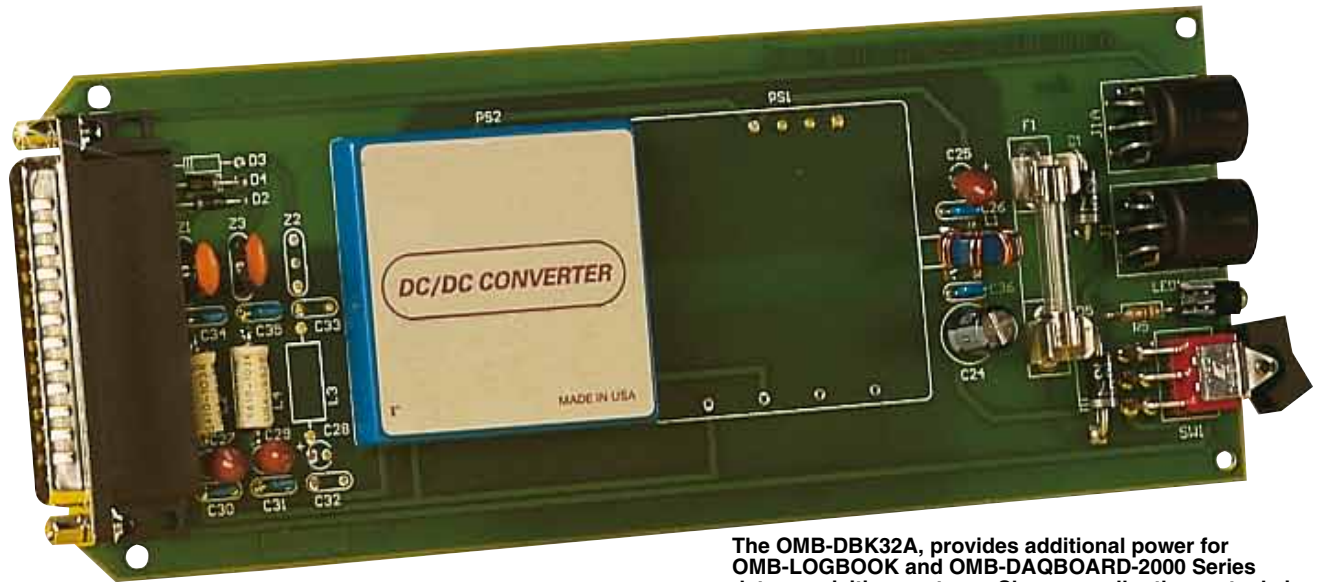


Auxiliary Power Supply Card

for OMB-LOGBOOK and OMB-DAQBOARD-2000 Series



The OMB-DBK32A, provides additional power for OMB-LOGBOOK and OMB-DAQBOARD-2000 Series data acquisition systems. Shown smaller than actual size.

- ✔ Provides Auxiliary Power to Expand OMB-LOGBOOK and OMB-DAQBOARD-2000 Series Data Acquisition Systems
- ✔ Installs into an OMB-DBK10 or OMB-DBK41 Expansion Enclosure

The OMB-DBK32A provides OMEGA's OMB-LOGBOOK and OMB-DAQBOARD-2000 Series data acquisition systems with additional power (± 15 Vdc at 500 mA) in system configurations where the number of expansion cards exceeds the OMB-DAQBOARD-2000 Series standard power capacity. When auxiliary power is required, the OMB-DBK32A is the preferred choice in nearly all OMB-LOGBOOK and OMB-DAQBOARD-2000 Series applications.

The OMB-DBK32A can be installed directly into an OMB-DBK10 or OMB-DBK41 expansion enclosure. The OMB-DBK32A is compatible with all OMB-DBK cards and is powered via an included AC adaptor, an OMB-DBK30A battery/excitation module, or any 9 to 18 Vdc source.

OMB-DBK32A



Specifications

Connector: DB37 male, mates with P1 and supplies power to other OMB-DBK cards; input power accepted via DIN5

Isolation:

- Input to Output:** 500 Vdc
- Output Voltages:**
 - +15 Vdc nominal @ 535 mA
 - 15 Vdc nominal @ 535 mA

- Line Regulation:** 0.5%
- Load Regulation:** 1.0%
- Total Output Power:** 16 VA
- Input Voltage Range:** 0.9 to 18.0 Vdc

Included AC Adaptor: 15 Vdc @ 0.9 A

Full Load Input Current Range: 1.05 A @ 18 Vdc, 2.10 A @ 9 Vdc

Full Load Efficiency: 81%

Parallel Provision: OR-ing diodes on output lines allow use of multiple OMB-DBK32A's in larger systems

Controls: ON/OFF rocker arm switch
Indicators: LED driven by input voltage

Over-Voltage Protection: Fuse followed by 19V zener clamp

Switching Frequency: 100 kHz min

Environment: -20 to 70°C (-4 to 158°F)

Input Fuse: 3A

Dimensions: 82 x 209 x 19 mm (3.25 x 8.25 x 0.75")

Cables:

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



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order

Model No.	Description
OMB-DBK32A	Auxiliary power supply card

Ordering Example: OMB-DBK32A auxiliary power supply card and OCW-1 OMEGACARESM extends standard 1-year warranty to a total of 2 years.