

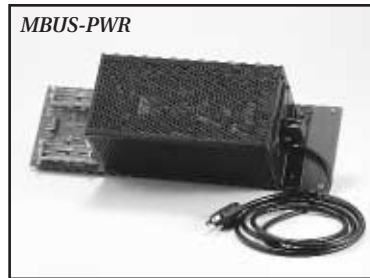
MBUS-PWR

Power Supply
For the METRABUS

Functional Description

The MBUS-PWR is an external power supply for the METRABUS system. The supply is designed to eliminate METRABUS loading of the PC's power supply. The mbus-pwr provides all power required by external METRABUS expansion boards, and the host computer need only supply power to the METRABUS driver board. The mbus-pwr provides the +5VDC, ± 15 VDC and ground signals for the METRABUS.

The MBUS-PWR is equipped with an AC line filter which exceeds UL478 and UL1283 specification. The power supply itself has been designed to comply with UL, VDE, CSA and IEC safety standards. Versions are available to support voltages of 90-132VAC or 180-264VAC.



Functional Description

The MTAP-1 is a power break-out board for the METRABUS system. The board can be used to bring power to the METRABUS from an external user power supply, or may be used to extract power from the METRABUS system's power supply to support user circuitry. Three LEDs are used to show power supply status. A green LED lights to show that +5V power is on, while red and yellow LEDs display power on conditions for +15V and -15V supplies respectively.



A 3 by 5 inch breadboard area has been included on the board to facilitate the installation of user circuitry. To power a METRABUS system with an external power supply the user need only plug the MTAP-1 into the METRABUS cable, and connect the supply inputs to their corresponding screw terminals on the MTAP-1.

When To Use Auxiliary METRABUS Power

METRABUS applications which use less than 2 amps from the +5V supply and do not use the ± 15 V supplies may not require an external supply when interfaced to an MDB-64. These systems can be run completely from the PC's power supply by simply installing the 5V fuse on the MDB-64 driver board. The fuse limits the power that may be drawn from the PC and provides protection against an accidental connection of the PC's +5VDC supply to a MBUS-PWR supply.

SPECIFICATIONS

	MBUS-PWR/NA	MBUS-PWR/EURO
INPUT VOLTAGE:	90-132VAC	180-264VAC
INPUT FREQUENCY:	47-63Hz	47-63Hz
HOLD UP TIME:	20ms	
OUTPUT RATINGS*:	+5VDC, 10A +15VDC, 4A -15VDC, 1A	

PHYSICAL

DIMENSIONS: 4.75in L \times 15.5in W \times 5in H

OPERATING TEMPERATURE: 0 to 70°C

* Derate 2.5% of power/°C above 50°C

ORDER	DESCRIPTION
MBUS-PWR/NA	METRABUS 115V Supply
MBUS-PWR/EURO	METRABUS 230V Supply
MTAP-1	METRABUS Power Break-Out Board

FEATURES

- 5V and ± 15 V isolated from the PC
- Supplies mount in standard 19-inch rack RMT-02
- Status LEDs, test points and on/off switch
- AC line filter on the board
- 90-130VAC or 180-264VAC input available
- Convection cooled
- Meets UL, VDE, IEC and CSA specifications
- Plugs in anywhere on the METRABUS cable
- Eliminate METRABUS loading of PC power supply
- Allows large METRABUS systems
- Provides ± 15 V required by analog boards
- Allow multiple power supplies if required

QUESTIONS?

1-800-552-1115 (U.S. only)

Call toll free for technical assistance, product support or ordering information, or visit our website at www.keithley.com.