

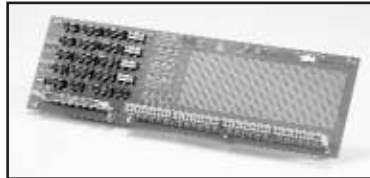
MBB-32

Prototype Board
For the METRABUS

Functional Description

The MBB-32 has been developed to allow METRABUS users a simple means to develop custom interface boards for the METRABUS. The MBB-32 has been designed with 32 input and output points divided into 4 8-bit words. Jumpers on the board allow the outputs to be hardwired to the inputs enabling the standard METRABUS data read-back error checking scheme.

All input and output connections, power supplies and read/write control lines are brought out to plated through holes adjacent to the prototyping area for ease in circuit wiring. Also adjacent to the prototyping area are 48 screw terminals, which provide a simple method for connecting the user designed circuitry to external field wiring.



FEATURES

- Large user prototype area
- Allows custom circuitry to be simply interfaced to the METRABUS
- 32 digital inputs and outputs
- Jumper system allows inputs to be wired to outputs allowing data readback error checking
- Separate read and write lines simplify interfacing to the four 8-bit ports
- Latched outputs, unlatched inputs
- Detachable Screw Terminals greatly reduce field wiring and replacement time

SPECIFICATIONS

METRABUS ADDRESS SPACE

4 consecutive addresses

NUMBER OF CHANNELS:

32 input, buffered LSTTL
32 output, buffered LSTTL

POWER REQUIREMENTS

+5V: 220mA typ, 300mA max
±15V: not used

PHYSICAL

DIMENSION: 6in L × 4.75in W (40.63cm L × 12.06cm W)

ORDER	DESCRIPTION
MBB-32	METRABUS Prototype Board

MDG-1

Diagnostic Board
For the METRABUS

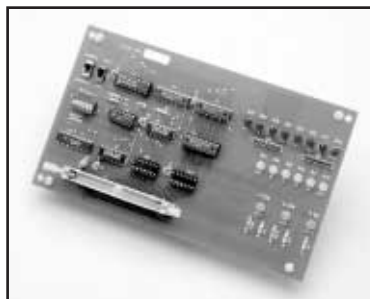
Functional Description

The MDG-1 is a simple METRABUS diagnostic board. LEDs on the board display the current METRABUS address, the last data byte written to the board, and the status of the METRABUS power supplies.

A DIP switch on the board allows the MDG-1 to be set at any unused METRABUS address. Data written to the MDG-1 board address is displayed on red LEDs. Data written to any other METRABUS address is ignored by the MDG-1. Two slide switches allow the testing of the BUSY status line. With the enabled/disabled switch set in the enabled position, the BUSY/FREE status line is controlled by a second slide switch. When in the disabled position, the BUSY/FREE line is in a high impedance state.

NOTE: For proper normal system operation, the Enabled/Disabled switch should be set in the Disabled position.

The METRABUS data read-back feature can be tested with the board. Reading data from the MDG-1 will return the last data written to the board without changing it.



FEATURES

- Tests for operation of METRABUS system.
- LEDs display current METRABUS address, status of power supplies and data written
- Allows complete test of METRABUS status bits and data read-back features.
- Simplifies effort to learn METRABUS programming.

ORDER	DESCRIPTION
MDG-1	METRABUS Diagnostic Board

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.