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Find the *Astronics / C&H Technologies MA201* at our website: ***Click HERE***

C&H Technologies, Inc. • 800 Paloma Drive, Suite 150 • Round Rock, TX 78665

(512) 733-2621 • FAX (512) 733-2629 • www.chtech.com



MA201 High Voltage Sequential Source

The MA201 is a 24 channel driver capable of sequentially driving the 24 channels at levels up to 150 volts. The module monitors and records, on-the-fly, the high and low voltage levels and the currents being drawn by the high and low drivers. This information is recorded into on-board memory. Alarm limits may be preprogrammed for any of these values to facilitate interrupts or safety shut-downs. Synchronization of multiple modules is possible.

Specifications:

Output Characteristics:
- 24 Channels
- High Voltage Rail : Up to 150VDC
- Low Voltage Rail : Ground
- Sink or Source up to 200mA per driver channel

Measurement Capabilities:
- High Voltage Rail
- Current drawn by all High Drivers
- Low Voltage Rail
- Current drawn by all Low Drivers (all above are 12 bit resolution)

External Measurements:
- Clock, data and control lines for two (2) external A/D modules

Programmable Features:
- Alarm levels for all analog measurements can provide interrupts or safety shut-downs
- Length of output pulses
- Time between output pulses
- Channel sequence start/end

On-Board Memory:
- 32Kbytes SRAM
- Stores A/D snapshot data

Triggers:
- Four triggers (2 from each M Module position) allow synchronization of multiple MA201 Driver Modules

External Inputs:
- High Voltage Rail
- Backplane triggers

Temperature:
- Operating: 0°C to 50°C
- Storage: -40°C to 70°C

Ordering Information

HV Rail	Part Number
30-150V	11027960-0003
25-130V	11027960-0004
20-100V	11027960-0005
15-70V	11027960-0006
10-50V	11027960-0007
5-25V	11027960-0008

M Module Compliance

Complies with ANSI/VITA Std. 12-1996 for doublewide MA Modules

Addressing	A8
Data	8-bit
Interrupts	INTA
Triggers	TRIGA/B

Applications

- Field Emission Device Test
- HV Automotive Electronics source
- Multi-channel sequential source
- HV Digital Output

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.

Rev. B

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