## **Racal Instruments**

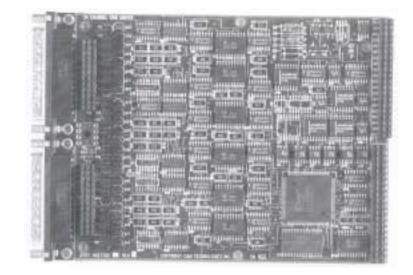
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# PRODUCT

This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

## 24-Channel High Voltage Sequential Source Model MA201

The MA201 is a 24-channel driver capable of sequentially driving the 24 channels to up to 150 V. The module monitors and records, on-the-fly, the high and low voltage levels, as well as 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 via backplane trigger lines.



#### **Output Characteristics**

24 Channels High Voltage Rail: 0 to 150 VDC Low Voltage Rail: 0 to 50 VDC Sink or source up to 200 mA 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

### **SPECIFICATIONS**

#### Triggers

4 triggers (2 from each M-Module position) allow synchronization of multiple MA201 Driver Modules.

#### **External Inputs**

High and low voltage rails

#### Temperature

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

#### **Special Notice**

This module may be configured for a specific user requirement through modification of Xilinx code or through component changes to adjust A/D reading scales.

#### **M-Module Compliance**

Complies with ANSI/VITA Std. 12-1996 for double wide MA-Modules Data Transfers: 8 bit Interrupts: INTA Triggers: TrigA & TrigB from each of the 2 MA-Module connectors are compatible with VXI, VME, PC, cPCI and other M-Module carriers.

#### Applications

Field emission device test HV automotive electronics source Multi-channel sequential source HV digital output

#### Ordering Information

Part Number: 11027960-0002



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