Racal Instruments

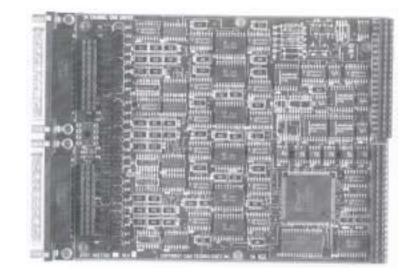
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PRODUCT

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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