M392
16 Channel ADC Common Mode M Module

The M392 common mode ADC is very well suited for use in applications where autonomous signal conversion is required. A local DSP provides processing capabilities to scan all channels at maximum rate, perform gain/offset compensation and store results in dual-ported memory. The input range is software programmable and channels may be enabled or disabled individually.

Specifications:

General Characteristics:

Resolution: 12 bit or 16 bit

Accuracy: 0.1%

Conversion Rate: to 50 Ksps
                        (Software programmable)

Input Filters: 2 pole LP, 1 KHz

Programmable Moving Avg Filter

Dual Ported Results Memory

Optically Isolated Analog Section

Calibration Data Stored Onboard

Temperature:

Operating: 0°C to 60°C
Storage: -20°C to 70°C

Power: +5V @ 0.85 A with DC/DC
             +5V @ 0.25 A w/o DC/DC

Software Programmable Voltage Input Ranges:

Unipolar: 0 to 5 V
                        0 to 10 V

Bipolar: +/-5 V
                        +/-10 V

All enabled channels are converted continuously and conversion data is read from shared memory by host

Connector: 25 pin DSUB
                        (Female)

Configuration Options

12 bit w/o DC/DC   n=1
12 bit with DC/DC   n=2
16 bit w/o DC/DC   n=3
16 bit with DC/DC   n=4

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

Data Transfers   16 bit

Interrupts   INTA

IDENT supported

Compatible with VXI, VME, PCI, PXI, CPCI & Ethernet Carriers

Applications

• Autonomous Signal Conversion

• Mid-range data acquisition

Ordering Information

Part Number   11029670-000n
    where n is defined in the table at left

Additional Information

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