

Miniature CAIS Data Acquisition and Encoding Unit



Applications

- Avionics data acquisition unit
- Missile applications
- Air vehicle test, certification or development
- Distributed systems
- CAIS applications

Features

- CAIS Compatible (Common Airborne Instrumentation System) Data Acquisition Unit with integrated high performance signal conditioning
- Flexible system configuration
 - Stand alone version with PCM output per IRIG 106
 - CAIS master/remote operation
 - Expansion to 60 units in a system
- Programmable operation
 - Up to 8 PCM formats
 - Up to 128,000 words each format
 - Programmable signal conditioning
 - 417 KSPS operation (up to 5 Mbps)
 - Over 2,000 bit rate settings
 - 12 or 16 BPW resolution
- System audit and bit capability
- Plug-in modularity and expandability
 - Signal conditioning
 - 1553 monitor/RT/bus controller
 - Avionics interfaces
- Full support software package
 - Single-point system programming
 - Standard serial RS-232/422 interface
 - Includes Microsoft Windows application software
 - Integrated ground support options

Description

The MCDAU-2000 is a miniature, CAIS-compatible Data Acquisition Unit (DAU) for interfacing with a variety of analog/digital sensors and sources. The system is reconfigurable to handle additional channel inputs, or to accommodate other types of data via plugin modules. The MCDAU-2000 supports operation as a stand-alone unit, a master controller unit, or a remote slave unit. The MCDAU-2000 unit is very small and rugged, making it suitable for installation in remote or inaccessible areas.

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MCDAU-2000 & Modules Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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