

## 20 Mbps Miniature Wide-band Data Acquisition Unit



### Description

The MWDAU-2000 is a miniature, CAIS compatible Wideband DAU for interfacing a variety of analog/digital sensors, and encoding these sources into a wideband PCM output data stream up to 20 Mbps. The unit can be configured to simultaneously support data transfer to a Master encoder over the CAIS Bus, and to provide data acquired from individual wideband DAU's. Teletronics CAIS Bus Masters include AIC-2000, MCDAU-2000, and CDAU-2000.

### Features

- High Speed Stand-alone Data Acquisition Unit
- Optional CAIS Remote Slave capability (RAM based acquisition-simultaneous with standalone function)
- Bit Rates up to 20 Mbps with over 2000 user programmable steps when using MWCI-120 overhead.
- Bit Rates up to 5 Mbps with over 2000 user programmable steps when using MWCI-105 overhead.
- Operates at 8 through 16 BPW (CAIS Remote mode)
- Programmable Formats and Sample Sequence up to 7680 words per major frame
- External Simultaneous Sample capability
- Up to 31 modules within a stack
- Stackable overhead and signal conditioning modules
- Fully programmable with TTC's Windows
- Windows XP/2000 Software Application
- Extremely Rugged Construction
- Fully programmable operation
- 2.49" x 2.63" x L ("L" dimension varies depending on number of plug-in modules)
- "Miniature" style interface connectors
- 28 Volts DC operation

### Applications

- Avionics Data Acquisition Unit
- Missile Applications
- Air Vehicle Test, Certification or Development
- Distributed Systems
- CAIS Applications

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### MWDAU-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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