

IRIG Time Reader/Generator Module



Applications

- Flight Test Instrumentation
- Wideband Testing, Structural Analysis
- Physical Research and Experimentation

Features

- Time Code Reader/Generator Module Compatible with IRIG-106-96
- Accepts IRIG-B AC or DC inputs
- Generates IRIG-B DC Output
- On-board Real Time Clock (RTC)
 - Provides actual time when IRIG time source not available.
 - Automatically re-syncs to IRIG time every 10 sec.
- Battery Backup Provisions for RTC
 - Primary Li cell module on internal daughter board
 - Primary Li cell in MBBU-2001 module
 - V_{BATT} voltage rail, supplied by external battery
- Flywheel Mode (Runs on Internal Oscillator)
- Mission "Elapsed Time" Mode (External Reset)
- Compatible with MSSR-2010-SA/MSSR-110C Recorders
- Windows Software Included

Description

The MIRG-220M module provides IRIG-B time code capability to the MSSR-2010-SA and MSSR-110C Miniature IRIG-106 Chapter 10 Multiplexer with Solid State Recorder. The module accepts an external IRIG-B, AC or DC time source and provides Chapter 10 packet time tagging capability for data input modules in the stack (e.g. JPEG2000, 1553, ARINC-429, RS-232, PCM, etc.). The MIRG-220M module also provides an IRIG-B DC time code output for cascading purposes. The module includes a built-in microprocessor and a battery backed-up Real Time Clock (RTC). The RTC battery backup may be implemented in one of three ways and is capable of providing up to 10 years of continuous operation. An ADC measures and encodes the internal system temperature and voltage rails within the Multiplexer/Recorder.

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MIRG-220M Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company

15 Terry Drive, Newtown, PA 18940

phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com