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MICRO PCM ENCODER SERIES

IRIG TIME-B AND/OR GPS READER/GENERATOR MODULE

The IRIG TIME-B module provides time code capability for the modules within the data acquisition system. The module accepts an external IRIG-B time source for synchronization.

The module then inserts the time data into the PCM data stream.

All encoded time words comply with IRIG-106-96, Chapter 4 requirements for high time, low-time and microsecond-time formats.

Electrical Specifications:

IRIG-B FORMAT: Amplitude Modulated (AC) or unmodulated (DC).

TIME WORD FORMAT: Three 16 Bit time words are provided.

High Time and Low-Time words are available in either straight binary or BCD.

The Micro Time word is binary.

INPUT: The Internal time code is loaded and synchronized through an IRIG-200 serial time signal.

MODULATED INPUT: Amplitude modulated (AC) signal, single ended, bipolar with nominal signal levels of 3 Vpp and 3:1 modulation ratio.

Environmental:

Operating Temperature: -40°C to +85°C
Storage Temperature: -55°C to +125°C
Humidity: Relative humidity of 85% for two hours at 65°C.
Altitude: Unlimited
Vibration: 20g's RMS from 5 to 2000Hz in each major axis.
Acceleration: Constant acceleration of 100g's in each axis.
Shock: 100g's for 10m second in each major axis.

Mechanical:

Size:	inches	mm
Length	3.50	88.9
Width	1.25	31.75
Height	0.291	7.39
Weight:	27g	

Engraving:

MI_IRIGB