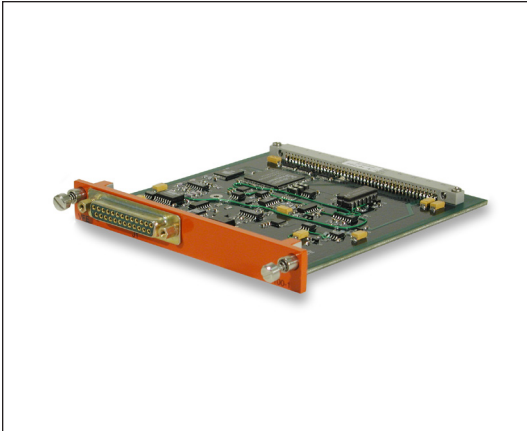# 1-Channel Voice Conditioner, 4-Channel Event Counter Card

Applications

- Flight test instrumentation
- Cockpit voice, microphone systems
- Voice I/O (storage) in data processing
- Telecommunications
- Event counter, event marker or event totalizer

Features

- 1-channel voice encoder
- All-digital CVSD encoding
  - Programmable bits/word
  - Programmable sample rate
- Compression/transmission over low band-width systems
- Front-end flexibility and compatibility
  - 2.5, 5, 10, or 20 Volt microphone systems
  - Bandpass filtering
- Digital AGC
- 4-channel event counter
  - ± 35V input range
  - Programmable threshold (-10V to +10V)
  - Programmable floating input reset
  - ± 35V input range
  - "0" / "1" on a per channel basis
  - Overvoltage protection to ± 35 VDC
- EDAU-2000 and CDAU-2000 compatible module
- Meets IRIG-106-96, Chapter 5
- Microsoft Windows application software included

Description

The VFE-100 is a 1-channel voice encoder, 4-channel event counter module for use in TTC's EDAU-2000 or CDAU-2000 series products. The module accepts voltages from amplified microphones and encodes these levels using the Continuously Variable Slope Delta (CVSD) modulation technique, into data words for transmission in the system PCM output format. It also has 4 event input channels which can be used in one of three modes: Event counter, event marker, event totalizer.

CAIS Compatible

Management System AS9100C ISO 9001:2008