

4-Channel Frequency/Period Conditioner Card



Applications

- Flight Test Instrumentation
- Factory Automation and Process Control
- Research Measurements and Experiments

Features

- 4-Channel Conditioner Card
- Software Programmable Operating Modes
 - Frequency Mode
 - Period Mode
 - Accumulator Mode
- 19-Bit Resolution for -1 Card, 23-Bit Resolution for -2 Card
- Front-end Flexibility and Compatibility
 - Selectable AC or DC Coupling
 - Inductive Style Pickups
 - Digital (TTL) Inputs
- Windows 95/98/NT/2000 Software Included

Description

The FPD-104A is a 4-channel frequency and period counter card for use in TTC's EDAU-20XX or CDAU-20XX series products. The card is capable of providing the current value of the period of a sinusoidal signal of engine fuel flow, or RPM sensors. Each card channel can accept an AC (Analog) differential input, differential digital (RS-422) input, or single ended digital input. In addition each channel is configurable in the frequency counter mode, in the average period counter mode, or in the accumulator counter mode. The 19 bit channel data is encoded into data words for transmission in the system PCM output format. Groups of input channels are formatted as words in the PCM output format.

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FPD-104A Datasheet

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