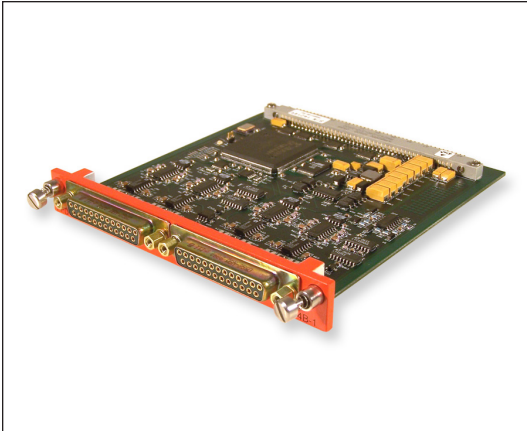


### 4-Channel Frequency/Period Conditioner Card



#### Features

- 4-Channel Conditioner Card
- Software Programmable Operating Modes
  - Frequency Mode
  - Period Mode
  - Accumulator Mode
- 9-Bit to 24-Bit Resolution, Software Programmable
- Front-end Flexibility and Compatibility
  - Selectable AC or DC Coupling
  - Inductive Style Pickups
  - Digital (TTL) Inputs
- Back-up capability for accumulator mode
- Compatible with EDAU/CDAU/WDAU-20XX systems
- Windows 95/98/NT/2000 Software Included

#### Applications

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

#### Description

The FPD-104B-1 is a 4-channel frequency and period counter card for use in TTC's EDAU/CDAU/WDAU-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 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 24 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. In addition, the FPD-104B-1 provides back-up capability for the accumulator mode. The unit will retain the accumulator data when power is lost.

Revision 05/12/2015

#### FPD-104B-1 Datasheet

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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