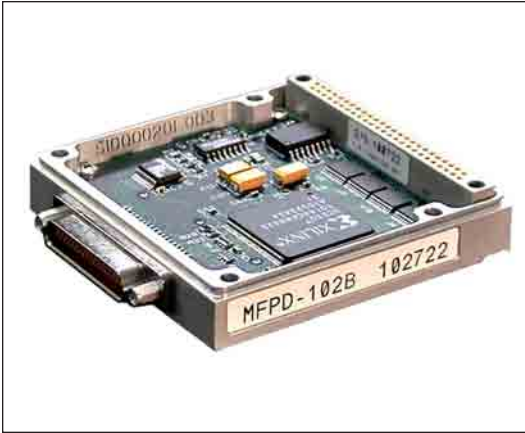


2-Channel Frequency/Period/Accumulator Conditioner Module with Totalizer Back-up



Applications

- Flight test instrumentation
- Factory automation and process control
- Research measurements and experiments

Features

- 2-channel conditioner module
- Software programmable operating modes
 - Frequency mode
 - Period mode
 - Accumulator mode
 - Accumulator bond clear on external reset
- 24-bit resolution
- Front-end flexibility and compatibility
 - Selectable AC or DC coupling
 - Inductive style pickups
 - Digital (TTL) inputs
- Back-up of totalizer count during power loss
- Compatible with TTC's miniature data acquisition products
- Microsoft Windows application software included

Description

The MFPD-102B is a 2-channel frequency and period counter module for use in TTC's miniature, stackable data acquisition products. The module is capable of providing the current value of the period of a sinusoidal signal of engine fuel flow, or RPM sensors. Each 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 totalizer counter mode. In the totalizer counter mode, the totalizer count is saved during a loss of power. The count is restored after power is restored. The 24 bit channel data is encoded into data words for transmission in the system data output format. Groups of input channels are formatted as words in the data output format.

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MFPD-102B Datasheet

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Specifications subject to change without notice.



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