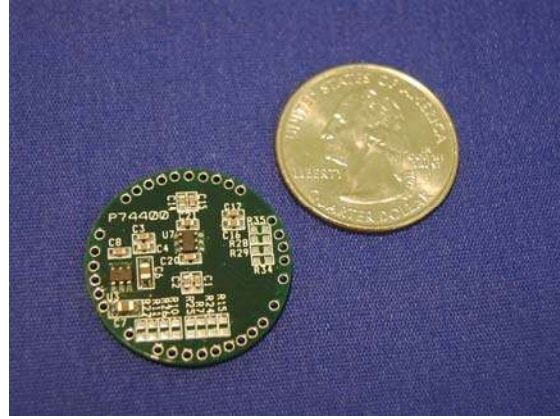
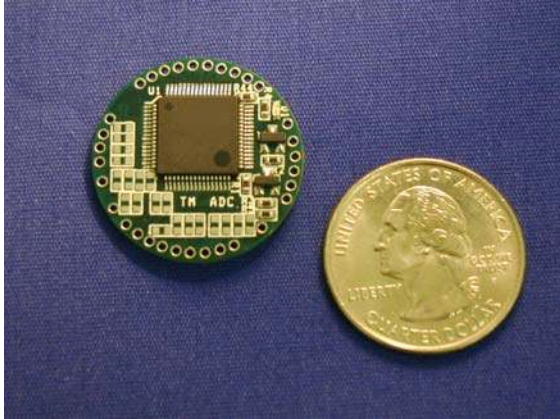




SYNTRONICS

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Flight Data Recorder Model 1.0

The Model 1 Flight Data Recorder (FDR) is a compact gun launchable recording device for high acceleration environments. When properly packaged, it can withstand over 20,000g acceleration. It has been tested to 10,000 g's. It is small enough to fit into a 40mm projectile. Windows software is provided to allow data download and conversion into standard formats. Recorded data can be erased and the device reused. The software can also be used to select and adjust active channels, sampling rate, and record time. FDR Model 1.0 can record up to 16 channels of data with waveforms up to 100 volts. Users specify the voltage ranges of each channel and Syntronics will install the appropriate voltage dividers on the board for your application.

Specifications

Diameter:	1.00 inch
Height:	0.16 inch (unpotted)
Inputs:	16 (default) channels (max), 8 bits resolution each. Onboard voltage dividers allow sampling of waveforms up to 100volts.
Sampling Rate:	2,000 (default) samples per channel, per second (adjustable)
Recording Time:	1.6 (default) seconds of data collected after trigger event adjustable)
Recording Capacity:	51,200 samples at 8 bits (max)
Look Back Buffer:	100 ms (default) of data captured before trigger event (adjustable)
Input Power:	2.5VDC to 3.2VDC, nominal 60 ma required