

# Dynetics Modular Instrumentation System

Model: MIS 110

Now available on  
GSA Schedule 66

The Modular Instrumentation System (MIS) family of products includes a data recorder module for non-telemetry applications. The MIS data recorder is the ideal solution for applications involving rugged environments and limited space for instrumentation. This product can be configured with any of the MIS modules (IMU, GPS, Analog, etc.) to form a complete instrumentation system.

The data recorder module interfaces to the MIS bus and stores the collected data into nonvolatile memory. The stored data can be downloaded to a PC using a standard USB 2.0 interface.



COMPONENT	DESCRIPTION
Housing	Precision-milled, specialized 2.5 inch by 5.5 inch canister capable of withstanding missile firings and specially designed to house the MIS electronics
Battery	Rechargeable NiMH battery with nominal 1-hour operating life
Memory Module	8-Gbyte (expandable) memory
Encoder Module	FPGA-based encoder with programmable frame structure, 6-pole premodulation filter, and 10-Mbit/sec output
GPS Module	High-dynamic (50 g), C/A Code GPS with high update rates (15.525 Hz), 12-channel receiver, and L1 band operation
IMU Module	MEMS-based miniaturized IMU with 3-axis 10 g accelerometers, 3-axis rate sensors up to 300 deg/sec, 3-axis magnetometer, and temperature compensation
Interface Module	40-channel interface module capable of supporting 32 analog and 8 discrete signals

## The MIS Data Recorder

- ◆ Interfaces to the full family of MIS instrumentation modules
- ◆ Provides deep memory storage of data collections
- ◆ Simple USB interface for post-mission data downloads
- ◆ Ideal for rugged environments requiring high-speed instrumentation

### For More Information:

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