



# EKYSHOCK

MECHANICAL SHOCK DATA  
LOGGING SYSTEM



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The EKYSock is a stand-alone mechanical shock data logging system. The device measures 3-axis acceleration, temperature, humidity, GPS position, velocity & time. When accelerations exceed a user configurable threshold, data for all measurements is recorded as a single event. Over 3700 individual events are stored in a FIFO memory. Software application allows remote operations including programming, download and data analysis. The EKYSock can be externally powered from a DC or AC source and is equipped with a rechargeable battery backup supply.

## PRODUCT OVERVIEW

- 3-Axis (X, Y, Z) MEMs Accelerometer
- Sensitivity 50mG, Range 200G
- GPS Based GMT Time Reference
- Latitude/Longitude +/- 2.5m
- Velocity +/- 0.1m/s
- Temperature
- Relative Humidity
- >3700 Event Recordings stored
- Adjustable Interval Recordings
- Shock Event Driven recordings with adjustable Threshold and Filtering
- FIFO based memory allows for perpetual recording with most recent data always available
- Software Application allows user to remotely Program Device, Download and Analyze data
- Externally Powered (AC or DC)
- Rechargeable Battery Backup rated up to 2000 charge cycles
- USB Connectivity with optional RS232

[www.ekyrail.com](http://www.ekyrail.com)

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