
ACCELEROMETER/MAGNETOMETER DATA LOGGER



FEATURES

- All in one device, include:
Sensors, microprocessor,
2G flash memory, usb data
interface, power manager, Li-
poly battery and charger
 - Dimensions: 60x23x12.5mm
 - Weight: 12 gram
 - Low power consumption to:
0.75mW average (10Hz)
 - Continuous measurement
and record raw data up to 30
days if battery fully charged
 - Memory capacity:
320 mega samples
1 year recording data (10Hz)
 - Module in box integrated:
- 3-axis accelerometer
 - 3-axis magnetometer
 - Temperature sensor
 - Real time clock
 - Output data with time stamp
 - Accelerometer:
 - Sampling-rate: 10, 25, 50,
100, 200, 400 (Hz)
 - Full-scale range: $\pm 2g$, $\pm 4g$,
 $\pm 8g$, $\pm 16g$
 - Sensitivity up to 1mg/count
 - Data calibrated for each
module
 - Magnetometer:
 - Period of samples: < 2sec
 - Full-scale range: $\pm 1000\mu T$
 - Sensitivity of 0.1 μT
 - Operation temperature:
 - -4 — $+158^{\circ}F$ (-20 — $+70^{\circ}C$)
 - MS excel compatible
 - Application support