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*the world's
simplest*

SENSOR Data Logging System

GEOMATICS . US

G-LOG

SENSOR DATA LOGGING SYSTEM

Analog and digital sensor data logging solution for real-time and post-processing systems

KEY FEATURES

- Small, light, and scalable hardware
- Interfaces to analog and digital devices
- TTL logic (3.3 or 5.0 V²)
- Removable storage
- Arduino-based simple software with lifetime free upgrade¹

APPLICATIONS

- Guidance, navigation, and tracking
- Precision geo-referencing
- Real-time control

The world's simplest sensor data logging solution

- 1 upgrade through Geomatics.us website
- 2 user selectable through jumpers
- 3 custom ordered or user built
- 4 free of charge with lifetime upgrade

Specifications subject to change without notice

SPECIFICATIONS

BOARD

Mechanical

- Dimensions: 2" x 2" x 0.1"
- Weight: < 10g

Battery

- Li-ion polymer rechargeable
- Input voltage from 3.3V to 5V

Computer

- ATmega328p MCU
- Configurable baud rates (2.4 to 115.2 kbps)
- 2mA idle, 6mA at max. recording rate
- Configure unit through 'config.txt' file
- Two LEDs indicate writing status

Connectivity

- USB client for power & communications
- SD FAT16/32 cards up to 16GB
- 0.1" standard header TTL (3.3 or 5.0 V²)
 - 7x Digital IO
 - 3x analog ports
 - 1x SPI port
 - 1x I2C port
 - 1x UART port

Real-time Clock

- High-precision (± 2 ppm)
- Counts Seconds, Minutes, Hours, Day, Date, Month, and Year with Leap Year Compensation Valid Up to 2099
- Battery backup Input for Continuous Timekeeping

ACCESSORIES

Mount³

- high-grade ABS plastic
- Custom built, e.g. tide gauge

SOFTWARE⁴

- Arduino one-stop real-time package

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