



FastDAQ

GA –FastDAQ Model V.1.01

Your Rapid and Flexible Solution to Plug and Play
Laboratory Data Acquisition Needs

4 Channel Analog Input Capacity*

*(Customizable to expand)

OVERVIEW

FastDAQ is a multi-purpose data acquisition unit that can be used during fundamental laboratory testing. It is an accurate, precise, and quick tool that can store monitoring parameters. FastDAQ is utilized to acquire data from an oedometer, direct simple shear, triaxial and similar laboratory testing systems and their attached LVDT, load cell and pressure transducers.

This multi-channel data acquisition system can be ordered with a compatible set of sensors including but not limited to LVDT, load cell and pressure transducers. FastDAQ can be conveniently assembled to your existing testing or monitoring system and can collect data within minutes.

FastDAQ is ideal for both researchers and laboratory testing professionals as it enables them to focus on data acquisition in an easy and timely manner by eliminating compatibility problems.

FEATURES

- Easily set up your laboratory testing system.
- Powered through USB port of a personal computer.
- Real-time Excel spreadsheet support and SD Card Backup Option.
- Custom-tailored for oedometer testing, direct shear testing, triaxial testing, CBR testing, and many more. Comes specifically designed in conformity with your order and ready to plug and play, so that the end-user will not have to configure any setting.
- No previous experience with electronic data acquisition systems required.
- Premade selection of 5V and 10V input voltage for individual channels.
- Served with sensor set in accordance for your needs.

Easy Setup and Use

FastDAQ can be ordered to be custom designed to assure compatibility with your existing system. It has a 10-bit resolution with an IP54 environmental protection. Your data can be transferred to your personal computer through a USB connection. Synchronized with your Microsoft Excel spreadsheet, your raw data can be collected and processed in the form of customized data graphs. The data is also backed up in an SD card, ready to be moved to any other platform for further processing.

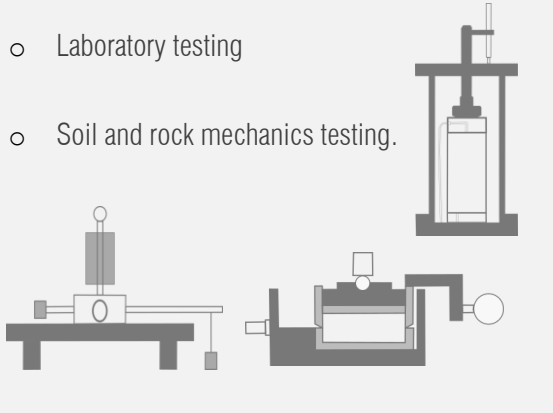


Technical Specifications

Measurement Range	Variable depending on the sensor capacity
Sampling Rate	Configurable
Working Temperature	0-40 °C
Power Supply	Through Standard USB port (PC connection)
Analog / Digital Conversion Rate	10 bits.
Material	Hardened Plastic Enclosure
Software	Requires Excel and a personal computer to operate
Storage	Built-in SD Card Support and real time Excel spreadsheet integration

Application

- Laboratory testing
- Soil and rock mechanics testing.



Ordering Details

- FastDAQ has 4 channel support by default. Please indicate if higher number of channels are required, and we will meet your needs.
- A custom sensor bundle is required and it will shipped as preconfigured and calibrated. Please contact us for building your reasonably priced and robust laboratory data acquisition solution.



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