FastDAQ

GA –FastDAQ Model V.1.01

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

Customizable per Request

Available in 2, 3 and 4 Channel Input Options

Introduction

Thank you for choosing the FastDAQ, plug-and-play USB datalogger. The FastDAQ allows displacement, load, and pressure logging and it can be customized according to the customer's needs.

The product can be configured and customized by the user by plugging it into a PC USB port with the help of GeoGram software. In addition to the live logging, FastDAQ is equipped with a backup SD card to provide the customer safe and reliable data recording without facing the risk of data loss.

The Geoants devices are shipped after testing and calibrating and, with proper use, Geoants provide years of reliable service and return policy. Please visit our website (www.geodestek.com) to check for the latest version of this User Manual, Product Updates, and Customer Support.

Features

- Easily set up your laboratory testing system.
- Powered through USB port of a personal computer.
- Real-time logging with GeoGram software 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 since FastDAQ can be customized according to the needs of the customer.
- GeoGram software can show real-time Graphs of each channel and the recorded data can be exported to CSV format which is compatible with Microsoft Excel software.

Specification

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	GeoGram logging software.
Storage	Built-in SD Card Support and real time Excel spreadsheet integration

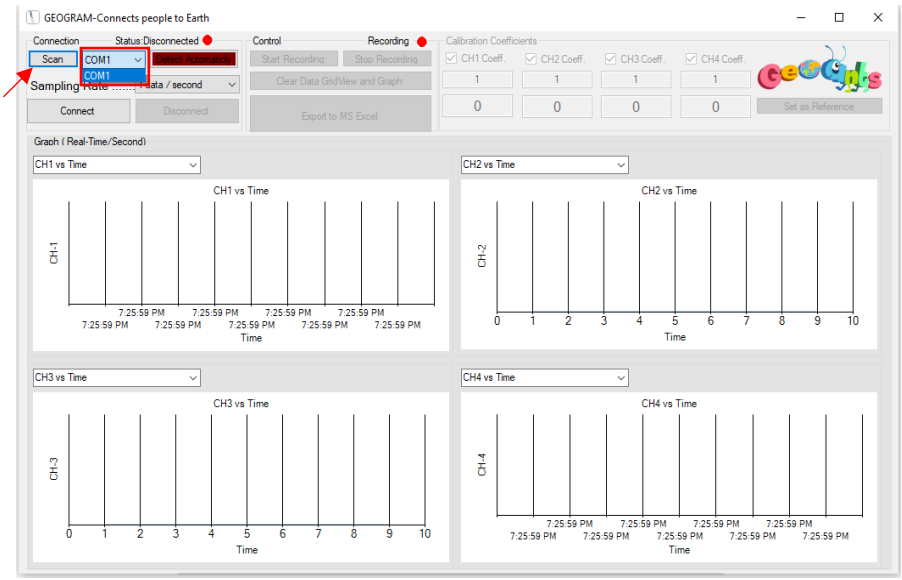
Hardware Installation

Each FastDAQ will be shipped with Quick Start Guide which includes instruction about the connecting the sensors to FastDAQ.

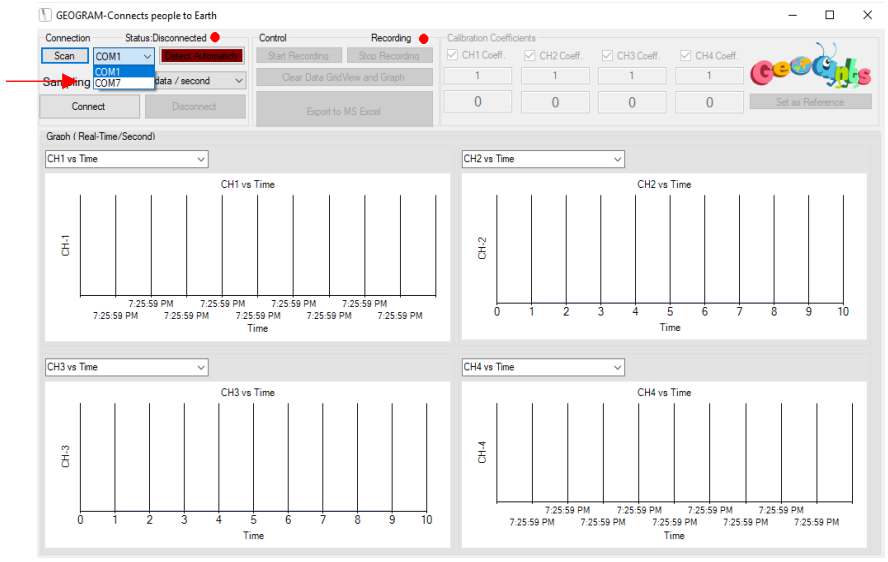
Software Installation

GeoGram software can be downloaded from www.geodestek.com. after downloading the software, open the file **GeoGram.exe and follow the steps or click here to follow a descriptive YouTube video;**

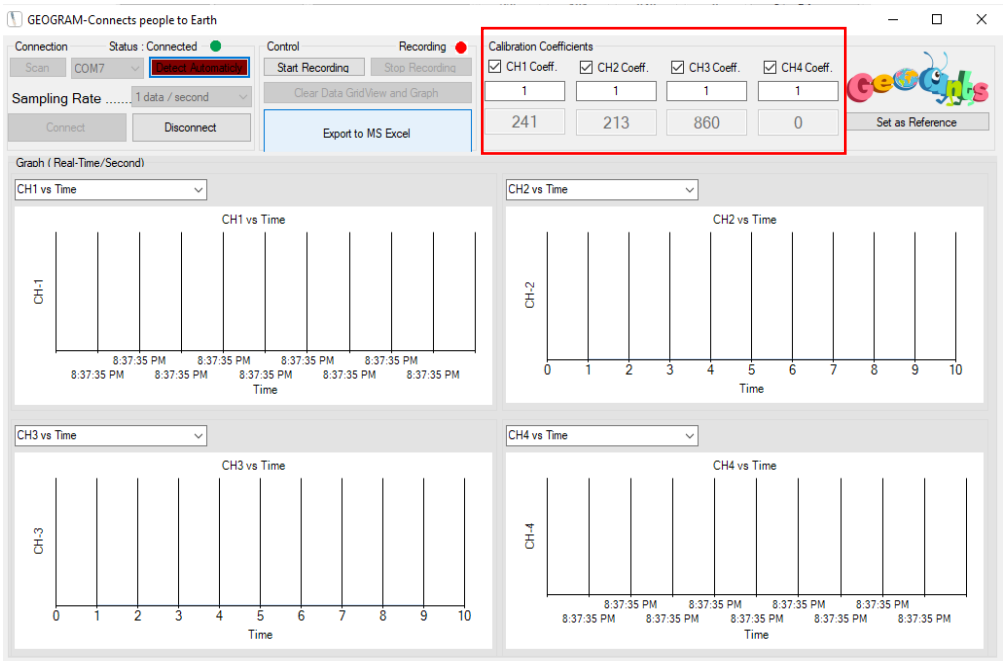
1- Click on **Scan** button to scan for the available ports. Please do not have the USB cable plugged into the PC.



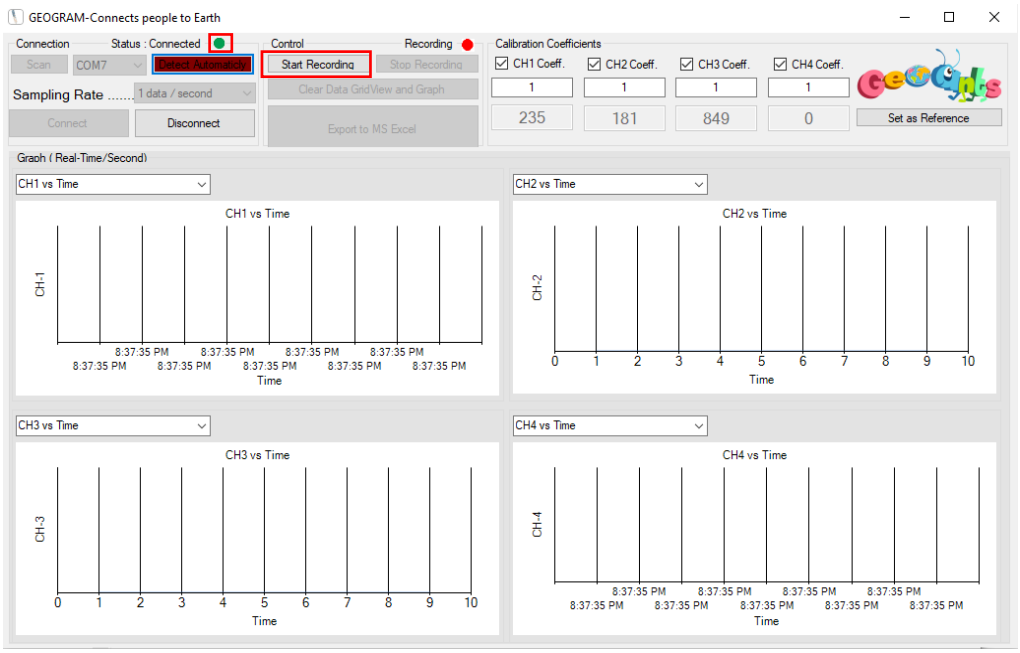
2- Connect the FastDAQ through the USB cable and click on **Scan** again you will notice that a new Channel appeared in the list (ex: COM1, COM2 and COM3). In our case Channel COM7 has appeared. Select the **New Channel** and the **Sampling Rate** then click on Connect.



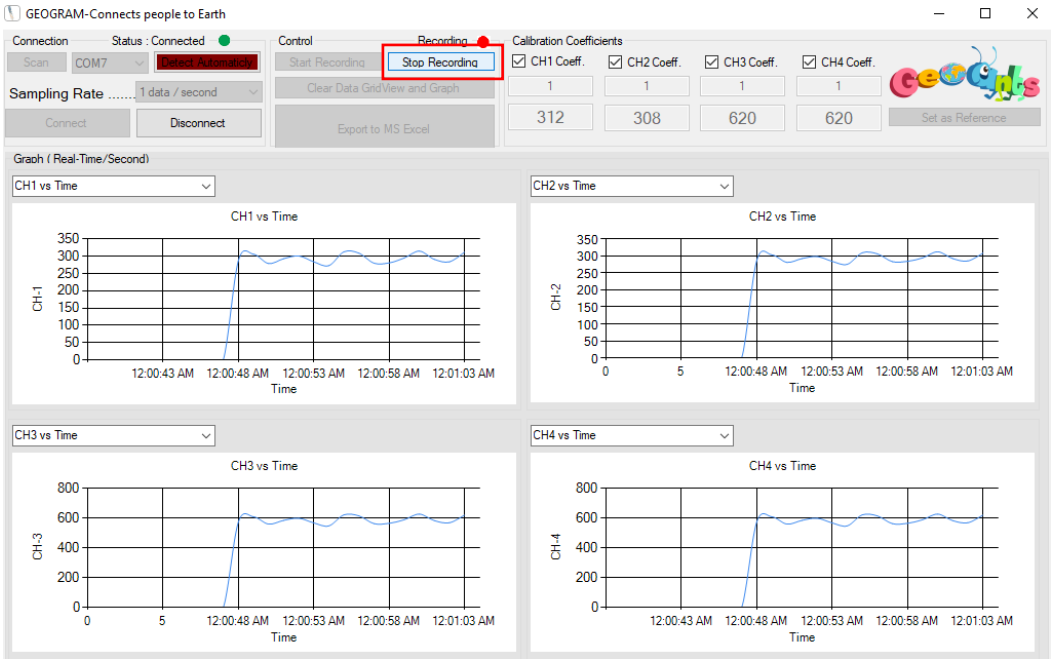
3- The user can enter the value of calibration coefficient for each channel in the calibration coefficient input box shown below.



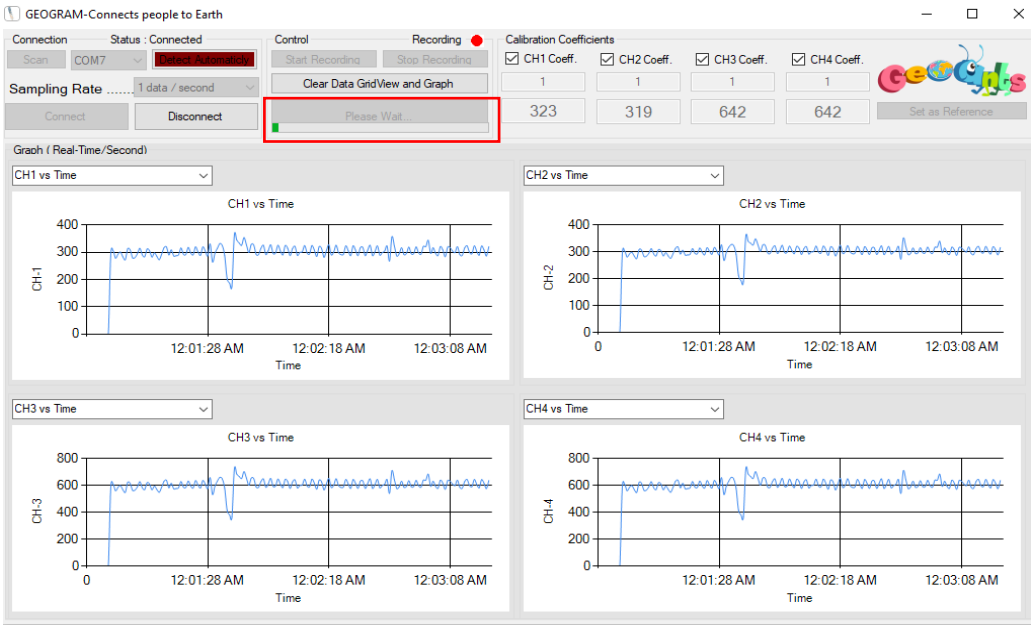
4- Click on **Start Recording** button to start recording data, you should also notice that the green light is blinking which indicates that the FastDAQ is connected.



5- Click on **Stop Recording** to stop logging.



6- Click on Export to MS Excel to save the recorded data to the computer hard drive. The file will be saved automatically in the same location of the GeoGram Software.



Backup Data Storage

FastDAQ is equipped with backup storage of data using a Micro SD memory card with a maximum size of 16 GB, it is recommended to Format the Micro SD card to FAT32 format before using.