



Wireless Portable FastDAQ

GA – WFF Model V.2.4

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

4 Channel Analog Input Capacity



OVERVIEW

The Wireless Portable FastDAQ is a device designed for field use in geotechnical engineering and structural engineering. It is equipped with a rechargeable battery that allows for 8 hours of continuous use on a single charge. The data logger can be connected to various sensors, such as LVDTs, loadcells, strain gauges, total earth pressure cells, and piezometers, to collect data in the field. The data can then be transmitted via Bluetooth to an Android mobile phone or laptop in .CSV format, making data logging in the field easy and reliable. The data logger is fixed in a hardened-plastic rugged case, which makes it easy to carry and use in harsh field environments. GeoAnts Wireless Portable FastDAQ device is a convenient and efficient solution for collecting and transmitting data in geotechnical and structural instrumentation.

FEATURES

- Easy setup, unpackaged and run in minutes.
- Powered through rechargeable battery.
- Real-time data logging through Android based app or Windows-based software.
- No previous experience with electronic data acquisition systems required.
- 4-Channels data logging preconfigured with reserved channels for piezometers, Total earth pressure cell, loadcell and LVDT's.



Easy Setup and Use

Wireless Portable FastDAQ is the best choice for field testing, it can be connected to your phone or computer via Bluetooth connection, which will automatically send the data to your phone or Laptop then you can share the data as csv file via email, WhatsApp or any other application. Moreover, the user can enter the calibration coefficients for each channel and take a zero reading. All data will be saved automatically which will provide easy way to interpretation for the data.

Technical Specifications

Measurement Range	Variable depending on the sensor capacity
Sampling Rate	0.5 Hz (1 sample at every two seconds)
Operating Temperature	0-40 °C
Power Supply	Rechargeable Lithium battery 10400 ma (up to 8 hour per single charge)
ADC	24 bits for Load cell and 12 bits for
Material	Hardened Plastic Rugged Case
Software	Android based app and Windows based
Wireless Range	Up to 50 meters.

Application

- Field Testing
 - CBR
 - Pile Loading Test
 - Plate Load Test
 - Anchor Load Cell
- Periodic measurement of sensors installed in the field.

Software

- Geoants Wireless Data Logger Android Application
- Geogram Windows Desktop Software

*Both softwares are free and can be downloaded through the URL:
www.geoants.com.



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