

With the help of this program, the system can measure the current and voltage of the PV module and send to a PC.

The Meteo station standard consists of a wall-/rack-mounted meteo.bxxx (two central DAQ units for data collection and sensor connections) with easy to mount panel-construction for sensors.

Two methods of data acquisition using Raspberry Pi with Internet of things (IOT) and Arduino Uno without IOT are explained, which have been compared so that the recommendation is made based ...

In this paper we have developed a data logging and monitoring system, we validated the system by comparing the result from it with the existing one and found that the system performs slightly better ...

This research proposed the data acquisition system (DAS), which has a capability to collect real-time voltage and current at variable load resistance during an experimental ...

This article proposes a low-cost data acquisition system, based on the Arduino microcontroller, to analyze the health status of a system consisting of two photovoltaic modules.

All data loggers come equipped with at least one Modbus RTU port that is compatible with half duplex (2-wire) RS-485 communications. These components are housed in a powder-coated steel ...

A microcontroller in the vehicle manages the acquisition of data such as distance traveled by the vehicle, temperature and currents (fuel cell and PV panel). Through the transceivers and microcontrollers, the ...

This paper describes the design, development and performance of a locally developed data acquisition system for solar PV module with variable load. The system can automatically change the operating ...

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