



Easy and accurate tool for real-time load measurements

With our easy to install Audit Box you can simply create your individual load profile. The box tracks your power consumption and sends the data to the EcoPhi cloud. There, the data is processed and visualized. Thus, exact load profiles can be created for optimal planning based on the data.



Use cases

- ✓ Determination of the generator/ grid load
- ✓ Tracking overall energy consumption
- ✓ Creation of load profiles to optimize consumption or to design systems
- ✓ Analysis and adjustments of usage behavior

Features

Plug-and-play measurement tool

With the Audit Box, we provide a mobile plug-and-play tool that you can easily connect to your power supply (e.g. genset, grid). When the measurement is done, you can easily pack it up and use it at a different location.

All the information you need for system sizing

The Audit Box has an integrated energy meter and three additional current clamps. It measures current, voltage, as well as the power factor of all three phases.

Real-time online visualization and data export

Once the Audit Box is connected, you will directly and in real-time see the data online. You can make ad-hoc csv exports for own calculations. The data can also be used directly with different sizing tools such as HOMER.



Flexible measuring ranges

Depending on the system size, you can choose different current clamps from 300 A up to 5000 A per phase. With this, you can use the Audit Box for both small and large consumers.

Data transmission even in remote areas

The data can be transmitted via WiFi and GSM, which enables a wide coverage even in remote regions. The data is also stored locally on a SD card.

Optional data analysis and sizing by EcoPhi

If required, EcoPhi analyzes the data handles the system sizing for you. We prepare your report and discuss the results together. This way you will have an independent and professional assessment of your required system quickly and with high accuracy.

The most important information at a glance

Local storage of data	Yes
Data storage in case of network failure	Yes
Remote error diagnostics	Yes
Power supply	100-250VAC (per phase) Optional Power Supply Box
Transmission	GSM: 2G, 3G, LTE; Wifi, LAN
Plug-and-play	Yes
Dashboard access for online-data	Yes
Contents of delivery	Audit Box incl. energy meter, current clamps, connection cable, antenna, power cable
Measuring range of the current	300A to 5000A
Dimensions	200 x 300 x 130 mm



Easy setup and system design in 5 steps

1



Get the box

2



Insert SIM

3



**Plug-and-play
installation**

4



Real-time online data

**System
sizing by
EcoPhi**

**CSV/ API-
export
for sizing
tools**

**CSV-export
for own sizing**

5



Accurate system design



EcoPh

Renewables Engineering

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