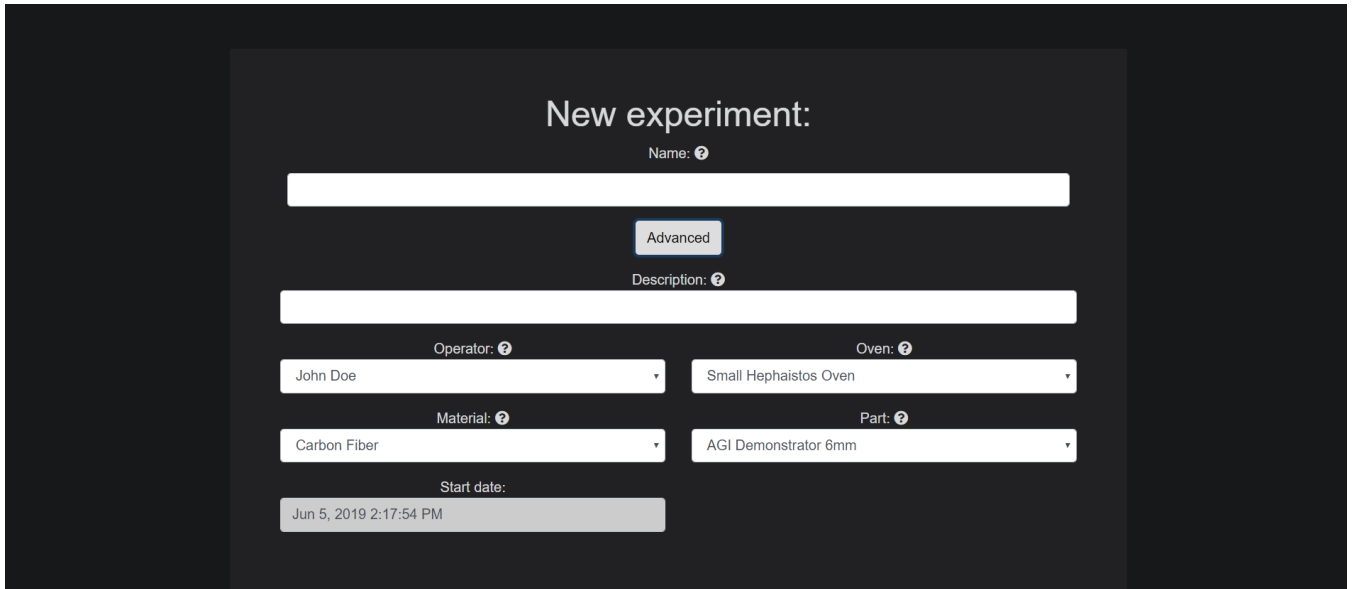


# Online Monitoring Tool

## Start new experiment

### Metadata



New experiment:

Name: ?

Advanced

Description: ?

Operator: ? John Doe

Oven: ? Small Hephaistos Oven

Material: ? Carbon Fiber

Part: ? AGI Demonstrator 6mm

Start date: Jun 5, 2019 2:17:54 PM

Metadata on this screen is retrieved from configs/default.json

Metadata file has to be a valid JSON.

### Add datasets

You can choose between four data types: sensor, simulated sensor, simulation and curing cycle.

#### Sensor

App will read an external stream.

Push the data you want to read to the database “**db**” under field name you become assigned (e.g. P1\_sensor\_1). Database is already running at port :8086, credentials are:

user = [admin](#)  
password = [12345](#)

#### Simulated sensor

App will simulate sensor, pushing data from you CSV file at a certain time interval.

#### Simulation and Curing cycle

Data will be pushed at one after you click “Start” in dashboard view.

## CSV files

Uploaded dataset must be a valid CSV file in format "time;value;datasource\_id".

Time is a unix timestamp (e.g. 1559740041). Can also be simple numbers (0,1,2,3).

Decimal separator in **value** field is a dot ("2.00").

Both comma and semicolon separated files are supported, no data shall be missing.

## Dashboard view

Submit a comment by clicking "Add comment" or pressing Ctrl + Enter.

**Start** button will launch all static datasets (by default you see only sensors and simulated sensors).

**Resume** button will toggle initial scale of the dashboard.

### Save experiment

Experiment is saved in a separate folder at /output.

You can view your saved experiments selecting them on the start page.

**Upload.json** is the file containing all the needed metadata.

Files and their names/location should not be changed manually.

### Read saved experiment

Saved experiments will be read at app start from folder /output.

You can also import zipped experiments that were launched and saved on another machine. Program will unzip and read data. Corrupted data, e.g., manually edited names or metadata cannot be imported.