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**Product Name :**

Solar Bio Energy Ready-To-Go

**Product Code :**

SLE/PHY/203



**Website:** <https://www.scilabexport.com>, **Email:** [sales@scilabexport.com](mailto:sales@scilabexport.com)

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## Description :

The extensive experiment system Solar-Bio Energy Ready-to-go enables you to reconstruct and understand the whole biomass cycle without any additional equipment.

A cultivation box and hydroculture allow the observation of the sprouting and growth of plants.

Different experiments then show the aerobic as well as the anaerobic degradation of the biomass in a compost or biogas processes.

Thereby the water and nutrient consumption can be analyzed in the different growth phases.

Thus allows the exploration of the energetic use of biomass.

## Experiments :

Germination of plant seeds

Aerobic degradation of biomass in a compost

Anaerobic degradation of biomass to form hydrogen

Anaerobic degradation of biomass to form methane

Plant growth in a hydroculture

Consumption of water and nutrients

## Technical Specifications :

### Components :

1x Motor module without gear

1x PEM-Fuel cell module

1x Solar-Base unit small

2x expanded clay pebbles

1x fertilizer

1x compost catalyst

1x ID tags

1x Aluminum case 1710 silver

1x aluminum case 1710 blue

2x pot holder Bio Energy

1x Propeller

1,5x silicone tube 4mm

1x Y-switch 4mm

2x plant light

1x hose clamp

1x Test lead black 25 cm

1x composter

1x gas collecting container

1x burner

1x tripod plant lighting

1x sprout box

1x box 6 L

1x tripod

1x seed set

1x rubber plug with tube

1x Test lead red 25 cm

2x Short-c

1x Erlenn

2x timer

1x air pur

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