

## Student set Renewable energy 3, Fuel cells, TESS advanced Applied Sciences

Article no: 25286-88



### Function and Applications

Supplementary equipment set for Renewable Energy Basic set (25287-88). Together with the Renewable Energy Basic set, it is possible to perform 26 student experiments in total:

- Hydrogen technology (9 Experiments)
- Energy conversion (5 Experiments)
- Heat energy from solar energy (7 Experiments)
- Ambient Heat (5 Experiments)

The experiments also include the recording of characteristic lines of the devices for generating electrical energy which are contained in the sets.

### Benefits

- Complete equipment set: simple execution of the experiments
- The equipment is stored in a rugged, stackable and compact box, allowing quick control of completeness (foam insert)
- Matched with international curriculum: all topics are covered
- Comprehensive treatment of all subjects of energy, its conversion and storage and the use of renewable energy sources in combination with Renewable Energy Basic set in more than 20 experiments
- With this set quantitative treatment of additional relevant key technologies possible
- Easy teaching and efficient learning through the digital experiment descriptions enclosed as QR codes

### Equipment and technical data

- The equipment set consists of all necessary components for the experiments

### Scope of delivery

PEM fuel cell for hydrogen/oxygen and hydrogen/air operation, SB	05664-00	1
PEM electrolyser, SB	05665-00	1
Gas storage, SB	05666-00	2
Solar battery, 4 cells, with cable and connectors	06752-22	1
Boss head	02043-00	1
Stand rods, stainless steel, various sizes	02031-00	1

### Necessary accessories

Student set Renewable energy 1, Basics and thermal energy, TESS advanced Applied Sciences	25287-88
Student set Renewable energy 1, necessary accessories for 1 group, TESS advanced Applied Sciences	13480-88

## Recommended accessories

Carrying system for student experiment boxes

25200-00