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**Product Name :**

Solar Thermal Energy Ready-To-Go

**Product Code :**

SLE/PHY/225



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## Description :

This experimentation system allows for the application of different technologies of solar thermal energy transformation in class.

The product does not only contain various solar collector systems, which can be operated with or without pumps, but also CSP-technology (Concentrated Solar Power) and a Peltier element for the direct transformation into electric energy.

Like the other products of the Ready-to-go line, the Solar-Thermal Energy Ready-to-go amazes with its flexible and location-independent usability that doesn't require any additional equipment. Another main feature are the experiments regarding the basics of thermodynamics, like absorption of heat radiation and the convective flow of heat, that provide a comprehensive understanding of the applied physical effects.

## Technical Specifications :

### List of components:

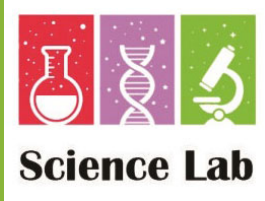
- 1 x Solar-Base unit Large
- 1 x Solar collector
- 1 x Parabolic reflector
- 1 x Absorber tube
- 1 x Lens module
- 1 x Absorber module for lens
- 1 x Hose-set
- 1 x Power Module
- 1 x Motor module without gear
- 1 x Lamp housing
- 1 x Absorber B/W
- 1 x Pump module
- 1 x Peltier module
- 1 x Heat exchanger water
- 1 x Heat exchanger paraffin
- 1 x Illuminant 120W, 12°
- 2 x Digital multimeter
- 1 x Laboratory thermometer
- 1 x Aluminium case "Thermal Energy RtG"
- 1 x Insert "Thermal Energy Ready-to-go"
- 1 x Cooling pad
- 1 x Temperature measuring sensor
- 2 x Sorting rubber d=65, mark P
- 1 x Propeller
- 1 x Beaker 250 ml
- 1 x Solar-CD
- 2 x Test lead black 50 cm
- 2 x Test lead red 50 cm
- 1 x Einräumplan Thermal Energy Ready-to-Go 2.0

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