



Cena bez DPH

485,00 Eur

Price with VAT

586,85 Eur

Parameters

Renewable resources and greenhouse effect

Skleníkový efekt

Quantitative unit

ks

- Detailed description

A set of equipment permitting quick and easy experiments to demonstrate the effect of greenhouse gases on the absorption of infra-red radiation. Solar radiation received by the earth is simulated here by means of short-wave infrared radiation that is attenuated by absorption in water and visible light from a reflector lamp. Infra-red radiation emitted by the earth is simulated by heating a black metal disc. Both types of radiation are made to pass through air or butane gas in a metal tube and subsequently registered with a thermopile. Comparison of the obtained values reveals that long-wave infra-red radiation is absorbed to a high degree by butane gas. Consequently butane gas released into the atmosphere causes it to heat up, i.e. butane gas is a greenhouse gas.

Contents:

- 1 Base plate
- 1 Lamp holder with reflector lamp
- 1 Cuvette on stem
- 1 Black metal disc
- 1 Metal tube, simple
- 1 Metal tube, with taps
- 2 Mounting stems
- 1 Silicone hose
- 1 Storage case

Additionally required:

- 5401.1000824 Thermopile

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