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leXsolar-Wind Basic (Set of 12 psc)

Order code: **5501.1430**



Cena bez DPH

4.290,00 Eur

Price with VAT

5.190,90 Eur

Parameters

Subject

Wind and hydropower

Quantitative unit

KPP

leXsolar-Wind Basic is the optimal beginner package for the topic of wind energy. Even for a small price it allows the most important basic experiments regarding wind energy. Thus, various parameters such as number or shape of rotor blades and rotor blade pitch can be studied with the help of the innovative leXsolar-wind rotors. Therefore, the product playfully provides an understanding of the operation of wind turbines.

Note: For using this product you additionally need the leXsolar-Minikit Basic in primary school and the leXsolar-Kit Basic in Junior High School, each of which contains all necessary accessories.

Experiments



- Wind energy conversion
- Dependence of the wind power plant on wind speed
- Start-up speed at a wind power plant
- Dependence of the wind power plant on number of blades
- Dependence of the wind power plant on rotor blade profile
- Dependence of the wind power plant on rotor blade pitch
- Dependence of the wind power plant on wind direction
- Characteristics of the wind generator

List of components:

- 1 x 1400-08 LED-module 2mA, red
- 1 x 1400-12 leXsolar-Wind rotor set
- 1 x 1400-19 Wind machine
- 1 x 1400-21 Wind rotor set (assembled)
- 1 x 1400-22 Wind turbine module
- 1 x 1430-01 Carton 1430
- 1 x L3-01-177 Insert Wind basic 1430
- 1 x L3-03-204 Layout diagram Wind Basic 1430
- 1 x L3-03-220 Instruction for use of finger protector
- 1 x L3-03-258 Info sheet initial startup

Extras needed:

- 1 x 2030 leXsolar-Minikit Basic
- or
- 1 x 2031 leXsolar-Kit Basic