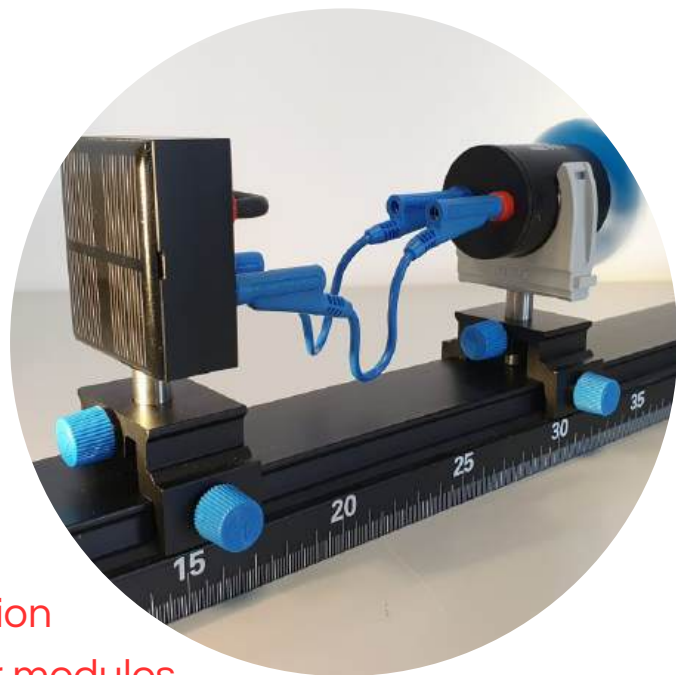


### TE2 - Energy

#### 22 experiments

- Potential energy (2 exp.)
- Conservation of energy
- Conversion of potential energy to electrical energy
- Electrical energy
- Conversion of electrical energy to mechanical energy
- Conversion of kinetic energy to internal energy
- Friction and increased internal energy
- Heat insulation
- Conduction of heat
- Flow of heat
- "Ice" motor
- Cooling machines/refrigerators
- Efficiency of a heat pump
- Absorption of light
- Short-circuit current of a solar cell
- Open-circuit voltage of a solar cell
- Short-circuit current & radiation direction
- Series and parallel connection of solar modules
- Wind energy
- Energy storage
- Greenhouse effect



#### Necessary accessories

- Universal track
- Power supply 6/12V AC | 0-12V DC
- Analog multimeters (2 pcs)
- Free-fall tube