

**NEW!**



**TEACHING DEVICE FOR  
DEMONSTRATION OF  
THERMOELECTRIC CURRENT  
GENERATION EFFECT**  
**ALTEC - 7007**



- Teaching device is intended for demonstration of thermoelectric power generation effect and laboratory activities.

- Operating principle – direct conversion of thermal energy of liquid fuel combustion into electric energy based on thermoelectricity.

**Device appearance**



- Device comprises heat source (alcohol lamp), thermoelectric generator module, heat dissipation radiator and current consumers: electric lamps and fan. Thermoelectric module heat-up is made by flame of alcohol lamp. The hot and cold side temperature of module is controlled by means of two alcohol thermometers. Thermal energy of fuel consumption is converted into electric energy, used to illuminate the lamps or rotate the fan.

- Teaching device comprises all the necessary electric circuits to study power generation effect: dependence of generator EMF on temperature difference, determination of optimal external load and efficiency.

## Specifications

1. Output voltage at ambient temperature + 20°C, V	3,5
2. Heat source –	alcohol lamp flame
3. Mass, kg	3,0
4. Overall dimensions, mm	260x240x100

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