



## Adiabatic Gas Law Apparatus(SMT-HT-51)

Adiabatic Gas Law Apparatus. The Adiabatic Gas Law apparatus is the perfect tool for teaching confusing thermodynamic processes. The Adiabatic Gas Law apparatus simultaneously measures volume, pressure and temperature, completely specifying the state of the gas.

### TECHNICAL SPECIFICATIONS

#### Specifications:

- Compare the final pressure and temperature: values predicted by the Adiabatic Gas Law.
- Measure the work done on the gas: compare it to the change in internal energy and the theoretical work performed.
- Determine gamma: the ratio of specific heats for the gas ( $C_p/C_v$ ).
- Investigate isothermal compression and expansion.

#### Technical Data:

- Input 220V 50Hz.
- Acrylic glass
- Control unit
- Digital Thermometer

