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**Product Name :**  
Training Panel Function Of Gas Heater

**Product Code :**  
LBNY-0005-12500034



### **Description :**

A plate heat exchanger is used to simulate a radiator. Cold water is fed through the heat exchanger as a heating load. A viewing window allows observation of the gas flame in the burner. The Training Panel Function of Gas Heater is used to illustrate the functioning of a gas combination boiler. Built-in thermometers and flow meters allow the recording of measured values to determine the power and efficiency. The unit is operated with liquid gas (propane) and is therefore independent of any pre-installed natural gas lines. The main components of the gas boiler are clearly arranged on a panel to allow better understanding. A process schematic also illustrates the function.

### **Technical Specification :**

#### **Specification:**

Plate heat exchanger simulates radiator, cold water used as heating load  
Main components clearly mounted on panel  
Burner with viewing window for observation of flame  
Additional instrumentation for energy balances: thermometers, flow meters, manometers  
Familiarisation with a typical combination boiler  
Operation with propane gas.

#### **Technical Data:**

Gas boiler  
Capacity: 2L  
Standard utilisation rate at nominal load: 93%  
Nominal heating capacity range: 8.9...18kW

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Hot water temperature: 30...65°C  
Feed flow temperature: 82...87°C  
Permissible excess operating pressure  
a. Heater: 3bar  
b. Hot water: 10bar  
Expansion vessel  
Exhaust gas temperature: 90...125°C  
Admission pressure: 0.5bar  
Dimensions and Weight of Training Panel Function of Gas Heater  
l x w x h: 1650 x 1200 x 350 mm  
Weight: approx. 110 kg



**Laboratory Instrument India**