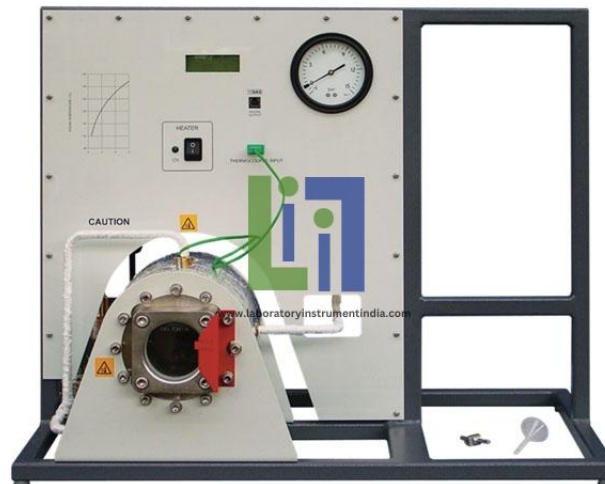




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Marcet Boiler Unit

**Product Code :**  
LBNY-0005-11200063



#### **Description :**

The Marcet Boiler includes a special-purpose glass window. It allows students to see the internal construction of the vessel, to see the boiling process and to check the water level. The electrically-heated boiler holds water. As the water temperature increases, so does the pressure in the boiler. The apparatus consists of a rigid frame containing an insulated pressure vessel and an instrumentation and control unit. The Marcet Boiler is a simple experiment to show the relationship between pressure and temperature for saturated steam for comparison with published results. The frame also has extra space for the optional interface. A digital display shows the values in both SI and traditional units. A transducer and a thermocouple measure the boiler pressure and temperature.

#### **Technical Specification :**

##### **Technical Details:**

Mechanical pressure gauge: Pressure in bar

Nominal maximum experiment pressure: 10 bar

Digital display:

a. Shows temperature in Kelvin and Celsius

b. Shows pressure in Pascals and bar

Nett dimensions: 800 mm wide x 410 mm front to back x 640 mm high and 40 kg

Approximate packed volume: 0.5 m<sup>3</sup> and 50 kg.

##### **Experiments:**

Confirmation of the Antoine Equation

Variation of saturated steam pressure with temperature.



**Laboratory Instrument India**