

6200 Isoperibol Calorimeter

SPECIFICATIONS

Model Number:
6200

Tests Per Hour:
4 – 8

Operator Time Per Test:
6 Minutes

Precision Classification:
0.05 - 0.1% Class

Jacket Type:
Isoperibol, Water Jacket

Oxygen Fill:
Automatic

Bucket Fill:
Manual

Bomb Wash:
Manual

Bomb Model Options:
1108, Alloy 20
1108CL, Alloy G30
1108B, Alloy 20
1108BCL, Alloy G30
1108BP, Alloy 20
1108BPCL, Alloy G30
1108P, Alloy 20
1108PCL, Alloy G30
1109A, 22mL Semimicro
1109X, 22mL High
Strength Semimicro
1104, High Strength

Balance Communication:
USB

Printer Communication:
USB

Network Connection:
TCP/IP via Ethernet

Dimensions (cm):
57w x 40d x 43h



6200 Isoperibol Calorimeter

The 6200 Isoperibol Calorimeter is Parr's most precise model. The traditional removable bomb and bucket design along with the water jacket of this calorimeter afford the user with complete control over the combustion process. This makes the 6200 the ultimate choice for precise research and development and quality control work.

Isoperibol Jacket System

Outstanding thermal jacketing is provided by a circulating water system driven by a built-in, high capacity pump which maintains a continuous forced flow around the sides and bottom of the bucket chamber and through the cover as well. A sealed immersion heater and a built-in heat exchanger, both operated by the calorimeter controller, provide precise jacket temperature control.

Automatic Oxygen Fill

To speed and simplify the bomb filling operation, the 6200 Calorimeter has an automatic system for charging the bomb with oxygen. Oxygen is connected to a microprocessor controlled solenoid installed in the calorimeter. To fill the bomb, the operator simply slips the filling hose connector onto the bomb inlet valve and presses a button on the touch screen to start the filling sequence.

Laboratory Requirements

The calorimeter requires a source of 99.5 percent oxygen and two liters of water per test. If a closed loop system is chosen, the water handling system must be installed so that the fan will not blow on the calorimeter.

Expanded System

The 6220 Expanded System includes the following components:

- 6200 Calorimeter
- 6510 Water Handling System
- 1759 Printer
- Extra Bomb and Bucket
- 6008P Bomb Maintenance Kit
- 6209P 1 Year Service Kit



6220 Expanded System

6200 Isoperibol Calorimeter Ordering Guide

| Model No. | Voltage | Description |
|---------------|---------------|--|
| 6200EA / EF | 115 V / 230 V | 6200 Calorimeter with 1108P Oxygen Bomb of Alloy 20 |
| 6200CLEA / EF | 115 V / 230 V | 6200 Calorimeter with 1108PCL Oxygen Bomb of Alloy G30 |
| 6220EA / EF | 115 V / 230 V | 6220 Expanded System with two 1108P Oxygen Bombs of Alloy 20 and Principal Components |
| 6220CLEA / EF | 115 V / 230 V | 6220 Expanded System with two 1108PCL Oxygen Bombs of Alloy G30 and Principal Components |