



# 6200

Calorimetro Isoperibolico semi-automatico

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## Descrizione

Unità isoperibolica controllata da microprocessore; utilizza la bomba ad ossigeno 1108 in acciaio.

## Caratteristiche

La bomba viene posta in un secchiello ovale, che a sua volta trova posto in un case compatto. Tutti i sensori ed i controlli sono posizionati internamente alla struttura, per fornire all'utilizzatore:

- un'unità consistente di una camicia ad acqua termostata dotata di sistema chiuso di circolazione;
- un riscaldatore ed un radiatore interni;
- un sistema semi-automatico per il caricamento dell'ossigeno, un termometro elettronico ad alta precisione (0.0001 °C);
- una tastiera per l'inserimento dei dati e la gestione dei controlli ed uno schermo a colori a cristalli liquidi.

Tale sistema può essere implementato con ulteriori accessori che comprendono un criostato, un sistema per il prelievo della esatta quantità d'acqua da porre nel cestello ed altri ancora che aiutano l'operatore nella rapida preparazione del test successivo.

## 6200 Isoperibol Calorimeter

### SPECIFICATIONS

Model Number:  
**6200**

Tests Per Hour:  
**4 - 7**

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**  
**1108P, Alloy 20,**  
**Semi-permanent Wire**  
**1108PCL, Alloy G30,**  
**Semi-permanent Wire**  
**1109A, 22mL Semi-micro Bomb**  
**1104(B), High Strength Bomb**

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



6220 Expanded System

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 pushes the touch screen to start the filling sequence.

#### Laboratory Requirements

The calorimeter requires a source of 99.5% oxygen and deionized water for operation. 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
- 1758 Printer
- Extra Bomb and Bucket
- 6008P Bomb Maintenance Kit
- 6209P, 1 Year Service Kit