



## Automatic Bomb Calorimeter



### Description

Automatic Bomb Calorimeter is designed for automatic measurement and mathematical calculation of calorific values. The unit is equipped with USB interface for sending data to PC and provides full test report printout by inbuilt thermal printer. The system allows setting of weight of sample, water equivalent and sensitivity through keypad on single page.

The instrument automatically detects temperature rise and fall and is provided with graphical LCD display and keypad operation. It includes internal memory with date and time logging and real time clock with battery backup. The system operates on 230V  $\pm 10\%$  / 50Hz power supply.

### Features

- Automatic measurement & mathematical calculation
- USB interface for sending data to PC
- Full test report printout by inbuilt thermal printer
- Setting of sample weight, water equivalent & sensitivity through keypad
- Automatic detection of temperature rise & fall
- Graphical LCD display
- Internal memory with date and time logs
- Real time clock with battery backup

### Applications

- Calorific value determination
- Fuel testing laboratories
- Research and analytical laboratories

### Uses

- To measure heat of combustion
- To determine calorific value of materials



**KABC-400**

### Standard Accessories

- Steel drum
- Bomb with sample holder
- Stirrer
- Temperature probe
- Chrome wire
- Pallet press
- Cotton thread
- Safety valve for high pressure
- Oxygen pressure gauge
- Benzoic acid powder
- USB lead
- Toolkit
- Operation manual
- Power supply cable (Main lead)

**Technical Specifications**

<b>Parameter</b>	<b>Specification</b>
Product Name	Automatic Bomb Calorimeter
Model	KABC-400
Make/Brand	KLABS
Display	128 x 64 Graphical LCD
Keypad	20 keys
Temperature Resolution	0.01°C
Internal Memory	1000 logs with date and time
Interface	USB interface to PC
Printer	Inbuilt thermal printer
Time Clock	Real time clock with battery backup
Power Supply	230V ± 10% / 50Hz