

Automatic Bomb Calorimeter

LABC-A11



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Automatic Bomb Calorimeter LABC-A11 automatically detects the refrigerating capacity and balances the circulation system in co-relation to its last caloric value. Bomb is placed on the lifting device using lifting system. Equipped with latest oxygen bomb, auto oxygen filling system, and auto elevating system ensures, for error-free running of operational process.

Features

- Compressor water refrigeration system
- High efficiency magnetic churning facility
- Probe type electronic measuring cup to measure inner bucket water
- No need to measure, fill water and adjust water temperature
- Auto stop and auto draining joints
- Use of advance USB technology
- Supports Windows system, links electronic scale, shares data via network
- CE certified

Applications

Used in coal, petroleum, cement, farming, medical research, electronics for measurement of calorific value of solid and liquid combustible materials.

Specifications

Model no.	LABC-A11
Calorimeter type	Isoperibol
Temperature range	5 to 40°C
Measurement range	5 to 40 MJ/ kg
Operation Mode	A. Outer barrel temperature follows room temperature change mode B. Outer barrel temperature constant mode
Temperature resolution	0.0001°C
Precision	RSD ≤0.1 %
Testing time	8 min
Power	≤1.5 kW
Power supply	220 V, 50/60 Hz
Dimension	630 × 420 × 450 mm
Weight	55 kg

Optional Accessories

Accessories no.	Name	Unit	Qty.
01	Ignition thread (500 pieces) Box	Box	20
02	Standard Benzoic Acid (1 gm * 10 pieces)	Bottle	10
03	Gasket Ring for Oxygen Filling Facility (big, middle, small)	Set	15
04	Heating Crucible	PC	60
05	Oxygen bomb gasket ring (big, middle, small)	Set	15
06	Plastic insulation cover	Set	5
07	Special Oxygen filling pipe	PC	2
08	Electrodes	Set	1