

Automatic Computer Controlled Microcontroller based Bomb Calorimeter

Specifications:

Automatic Control of Bomb Calorimeter Operation
Auto Firing on detection of Temperature Stability
Automatic Detection of maximum Temperature Rise
Automatic Temperature v/s Time Graph
Auto Correction of Ignition Wire and Cotton Thread
Automatic Calculations
Designed in accordance with the specification of Appendix 1 of the IP (Method I.P. 12/63T)
British Standard (BS1016 Part 5:1967) and Indian Standard Institution (IS: 1350 - 1959)
Memory of over 250 tests
Full Copper Water Jacket and Calorimeter Vessel
New Push Fit Type Gas Filling System
Determination of Calorific Value of all Solid and Liquid Fuels
Safety Relief Valve for user safety
Built-in Integrated Printer (optional) and Computer Interface
High Mechanical Standard & Easy controls
Accurate, reliable & user Friendly
Sulphur determination by chemical titration method
Fine Regulating Valve with Built -in Pressure Gauge
Bomb Body and Lid are fabricated from corrosion - resistant Stainless Steel alloy
Compact Stirrer to minimize heating effect

Operating Principle	Isothermal
Operating Time per test	10-15 minutes (Main testing period)
Jacket Type	Static (Inner & Outer Electroplated Copper)
Oxygen Fill	Manual
Bomb Wash	Manual
Temperature Resolution	0.001°C
R.S.D	2-3%
Range	500 - 12000 cal/gm
Temperature Indicator	Microprocessor based Differential type of Digital Temp. Indicator with Timer
Oxygen Filled Cylinder	10 liter capacity

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Recommended & Forwarded

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