



INTRODUCTION:

- Working on isothermal principal our bomb calorimeters provide easy, simple and inexpensive method for determining calorific values of organic matter, liquids, food products, bagasse, animal feeds, husk, petrol / diesel etc. It is also the most accurate method of determining heat of combustion of fuels.

TECHNICAL SPECIFICATIONS:

- Bomb Capacity : 300 ml
- Pressure Test : Each bomb is tested at a pressure of 300 kg/cm² for 10 minutes
- MOC (Bomb) : Bomb body & lid are made of corrosion resistant Stainless Steel Alloy.
- MOC (Crucible) : Made of corrosion resistant Stainless Steel Alloy
- MOC (Water Jacket) : Static and made from Stainless Steel
- Regulating Valve : Fine Control regulator valve with Pressure Gauge
- Safety Valve : Safety relief valve for user safety comes as a standard feature
- Design & Standard : Designed as per fundamental Standards : BS-1016 - Part 5 (1967), BIS-1350 - Part 2 and IP - 12/63T
- Operating Time Per Test : Main Testing Period takes maximum of 15-20 minutes / test
- Oxygen Filling : Through a high pressure Schrader Valve
- Testing Temp. Range : Operating range from 5°C to 40°C
- Temperature Resolution : Temperature Scanning Resolution of 0.01°C
- R.S.D : 2-3%
- Range : Measurement Range : 1000 - 10000 cal/gm
- Gas Filling : Push - n - fit type filling system for user ease
- Digital Beckman Thermometer : Microprocessor Based Digital Beckman Thermometer directly indicating rise in temperature
- Oxygen Cylinder (Option) : Oxygen cylinder 9-47 Ltrs capacity complete with dual stage regulator

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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STANDARD ACCESSORIES:

- Bomb and Closure Ring.
- Calorimeter Vessel with Bomb Support.
- Water Jacket.
- Combined Lid for Calorimeter Vessel and Water Jacket Stirrer.
- Connecting Leads.
- Connecting Tube to connect Bomb and Pressure Gauge.
- Connecting Tube with fine adjustment valve to connect Pressure Gauge and Oxygen Cylinder.
- Pressure Gauge on stand & Bomb Lid Stand.
- Spanner for Oxygen tube connection.
- Ignition Wire (2 Meters).
- Cotton Reel.
- Hook for lifting Bomb.
- Stainless Steel Crucible.
- Gas Release Valve.
- Schrader Valve.
- Valve Key.
- Digital Backmann with firing unit.
- Pellet Press.
- Bomb `O' Ring.
- Stirrer Belt.
- Valve Body `O' Ring.
- Benzoic Acid (known C. Valve).
- Safety Device.
- Discs for Safety Device.

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