



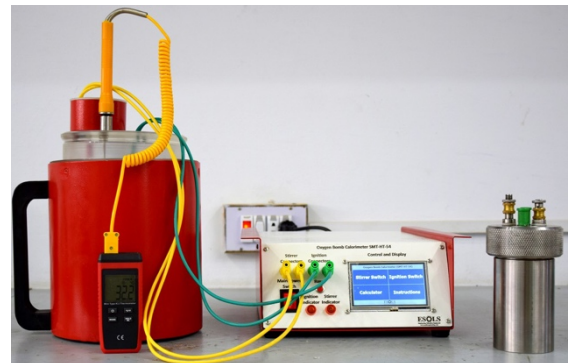
## Bomb Calorimeter (SMT-HT-54)

Bomb calorimetry is a fundamental test of great significance to anyone interested in calorific measurements. The following list includes possible applications: coal and coke, all varieties and types; fuel oil, both heavy and light varieties; gasoline, all motor fuel and aviation types jet fuels, all varieties; combustible wastes and refuse disposal, etc. Calorimetric Thermometer is a high precision temperature measuring system. In addition to measuring temperatures, the thermometer will determine the net temperature rise, apply all necessary corrections, and calculate and report the heat of combustion in the associated calorimeter as selected by the operator.

### TECHNICAL SPECIFICATIONS

#### Specifications:

- Used for determination of combustion of heat of calorific value of the fuel & other organic material.
- Supplied complete with water jacket made of Stainless-Steel sheet duly nicked chromium plated with Bakelite Lid.
- Stain less Steel Bomb, Bomb Jacket Water Calorimeter Vessel.
- Motorized heavy duty stirrer for uniform Circulation.
- Firing unit with illumination.
- Gas Releasing Valve, Stain less Steel crucible.
- Benzoic Acid with known calorific value.
- Full feature digital controller & Safety device.
- Touch LCD Display and Control



#### Technical Data:

- Housing Material:
  - Stain less steel duly Nickle Chromium plated water jacket S.S vessel S.S. Bomb.
- Duty Cycle
  - Continuous Test per Hour are 2, and Operator time per test is 25 Minute.
- Oxygen Fill, Bucket Fill and Bomb wash all are Manual.
- Power Consumption:
  - 220/230V.

- Stainless Steel Bomb Jacket Water Calorimeter Vessel
  - Water jacket made of Brass/S.Steel sheet duly nicked chromium plated with Bakelite Lid
  - Motorized heavy duty stirrer for uniform Circulation Briquette
  - Pet tel Press heavy duty Firing unit with illumination spanners, magnified glass with nickled nichrome wire & Cotton reel
  - Gas Releasing Valve
  - S.Steel crucible
  - Digital controller & Safety device