



Key features

- Type Oxygen Bomb Calorimeter (Benchtop, Semi-Automatic)
- Calorimeter Vessel
- (Bomb)
- Stainless Steel, up to 100 atm pressure, corrosion-resistant
- Crucible Nickel or Stainless Steel, reusable
- Temperature – Resolution 0.001°C
- Thermometer Type Precision RTD sensor (Pt100), integrated with digital display
- Stirring Mechanism Motorized mechanical stirrer, low-noise operation
- Cooling Jacket Double-wall or Dewar-style calorimeter bucket
- Monitoring Display 7"–10" Touchscreen or Digital Display Panel (integrated with control unit)
- Sample Capacity 0.5 – 1.5 grams (solid or liquid fuel samples)
- Combustion Process Electric ignition via nichrome wire or platinum fuse
- Oxygen Supply 99.5% pure oxygen cylinder with regulator (included or externally connected)
- Energy Measurement Range - Up to 40,000 J (10,000 cal)
- Repeatability $\pm 0.1\%$
- Calibration Method Benzoic acid standard test (manual loading)
- Safety Features Overpressure protection, sealed ignition system
- Power Requirements 220V AC, 50/60 Hz
- Certification (Optional)
- Construction Material - Powder-coated steel housing with corrosion-resistant internals
- User Interface Menu-driven via touchscreen or keypad
- Accessories Included Crucibles, ignition wires, oxygen fittings, calibration materials

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



Export Sales: +91-9829132777
 India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
 Sitapura Extension, Jaipur-302022, India.



info@tesca.in
 www.tescaglobal.com