



HAMCO

**HINDUSTAN APPARATUS
MFG. CO.**

MANUFACTURERS OF:

PHARMACEUTICAL EQUIPMENTS

LABORATORY INSTRUMENTS

COAL, OIL & PETROLEUM INSTRUMENTS

About Us

Hindustan Apparatus Mfg. Co. is ISO 9001-2015 certified company. We have incepted in the year 2004 and have rich experience of more than 21 years. The company is a leading manufacturer and exporter of pharmaceutical testing chambers, freezers (up to -80 degree Celsius) and Petroleum Testing Instruments and Coal testing Instruments under HAMCO Brand. Our all Equipment are "CE" Certified .

VISION

Innovation for the betterment of human life.

MISSION

To make World Class equipments which we are proud to sell and our customers are proud to recommend others indigeniously

GOALS

- Innovation
- Team Work
- Be Fair
- Excellence in whatever we do
- Quality
- Integrity

PHARMA CLIENTS



PETROLEUM CLIENTS



COAL CLIENTS



WHY HAMCO?

For over three decades, HAMCO has been a trusted name in the design and manufacturing of advanced laboratory and testing instruments. Our journey began with a vision - to deliver precision, reliability, and innovation in every product we create. Today, HAMCO stands as a symbol of engineering excellence, backed by experience, expertise, and an unwavering commitment to quality.

EXPERIENCE THAT INSPIRES CONFIDENCE

With 30+ years of continuous innovation, HAMCO has earned the confidence of leading industries, research organizations, and testing laboratories. Our long-standing presence in the industry reflects not only our stability but also our deep understanding of diverse application needs — from environmental testing to analytical instrumentation.

EXPERTISE BUILT OVER TIME

Every HAMCO instrument is the result of technical mastery and domain knowledge gained over decades. Our in-house R&D team continually refines our products, ensuring that each system meets international standards and compliance requirements like 21 CFR Part 11, DQ, IQ, OQ, PQ validation, and global quality benchmarks.

A DEDICATED TEAM OF PROFESSIONALS

At HAMCO, our people are our greatest strength. Our team of engineers, designers, and service professionals work in perfect coordination to provide cutting-edge solutions and dedicated customer support. Each member shares a common goal — to deliver products that perform flawlessly and exceed expectations in every test, every time.

INNOVATION AS OUR CORE

Innovation is the driving force behind every HAMCO product. From PLC-based smart control systems with data storage and audit trails to energy-efficient environmental chambers and automated test apparatus, we continuously evolve to meet the technological demands of modern laboratories. Our solutions are not just machines — they are intelligent systems designed to simplify workflows and enhance precision.

CAPABILITIES THAT DELIVER RESULTS

HAMCO's manufacturing infrastructure integrates advanced design, fabrication, and quality control processes. With expertise across a wide product range — including stability chambers, incubators, humidity chambers, vacuum ovens, and specialized petroleum test apparatus — we ensure total performance and reliability. Every unit is built to withstand rigorous testing and long-term use under critical laboratory conditions.

21 7 CFR SOFTWARE CAPABILITIES

Our HA log Software is designed as per the requirements of USFDA 21 CFR part 11 and is built upon the fast scanning core to view the online status with minimum delay.

BENEFITS:-

- Comply 21 CFR Part 11. HA SCADA
- Ease of operation.
- Browser Based Application.
- Access through Multy PC connected to server PC by Network
- Audit Trial.
- Report generation.
- SMS alert. 
- Remote data acquisition.
- Email Alert. 
- System diagnosis.
- E-report Facility

OUR FEATURES:-

It is Web Browser Software. Having Below said Features.

- All 21 CFR Part 11 Requirements are Met.
- LIVE SCREEN
- GMP Complaint - Tamper Proof Documentation of Measured Data.
- Can Connect 50 Chambers at a Time.
- Authorised Access Only.
- Auto Backup Facility.
- Password Expiry & Multi Wrong Attempt of Password will block the User.
- Auto Logout for no activity during Prescribed Time.
- Unlimited Users, Multiple Login Levels.
- Can create Data Log Report & Alarm for Temperatue & RH.
- Scanner & Scanner Alarm Report for Temperature & RH.
- Event Log Report.
- Door Access Report.
- HMI Audit Report.
- 17 types of reports can be generated for single chamber.
- E-report facility can be generated. No need to take physical print out with digital signature for generate, review and approved reports

• WALK IN CHAMBER-HAMCO63/64 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory
- Stand by Refrigerator system. Stand by Humidification system.
- 8+8 Temp+Rh scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• PHOTO STABILITY CHAMBERS-HAMCO 43 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory
- 1.2 Million Lux and 200 Wh/m² UV & VIS Cycle can be completed in 3 to 4 days time.
- Auto Lux & UV sensor to Monitor the Intensity Live and accordingly calculate the cycle time.
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports with Lux-UV Report can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• STABILITY CHAMBERS-HAMCO 44 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- Stand by Refrigerator system. Stand by Humidification system.
- 4+4 Temp+Rh scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• DUAL CHAMBER - HAMCO 70 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- Dual chamber is best suited to save the floor space in Lab.
- "Hamco" Make Dual chamber Incubator where Upper one is cooling Incubator (20-25 Deg C) and Lower one is Incubator (30-35 Deg C)
- "Hamco" Make Dual chamber Pharma Refrigerator where both Upper and lower chamber can be settled at 2-8 Deg C.
- "Hamco" Make Dual chamber Deep Freezer where Upper chamber can set at -50 Deg C and lower chamber can be settled at -30 Deg C.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

BACTERIOLOGICAL INCUBATOR-HAMCO 41 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- For precise Monitoring of Temperature.
- 4 Temp scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• DEEP FREEZER (-20°C / -40°C / -60°C / -80°C) - HAMCO 47 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- For Ultra Low temperature storage.
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• AUTOCLAVE (VERTICAL) - HAMCO 20 SERIES



- Fully automatic single lever lid locking autoclave.
- Auto water Filling and Auto drain facility
- 4 Temp scanner with Auto validation of the chamber.
- All safety including Over temp protection, Over pressure protection, Mechanical safety valves.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

HA SCADA

• BOD INCUBATOR - HAMCO 42 SERIES



- 7" PLC Based control with 10,000 data storage Memory.
- For precise Monitoring of Temperature.
- 4 Temp scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

HA SCADA

• ENVIRONMENTAL TEST CHAMBER: HAMCO 46 SERIES



- 7" PLC Based control with 10,000 data storage Memory.
- Temp. Range -70°C to 180°C / -40°C to 150°C / -20°C to 90°C with RH Range 40-95% RH
- Ramp rate of 1°C / 3°C / 5°C models available.
- With high capacity compressor of Bitzer / Danfoss / Emerson.
- Graphical representation of said cycle can be viewed and exported through Software.
- Front View Window on door to observe the sample inside.
- 100 mm Validation port for inserting cables & wire inside chamber.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

HA SCADA

• FLAMEPROOF STABILITY CHAMBER FOR AEROSOL



HA SCADA

- CE Certified Flameproof Stability Chamber for Aerosol.
- All the components is Flameproof with ATEX Certified FLP Junction Box
- Inbuilt FLP Gas Sensor to detect aerosol leakage & activate gas extraction system
- Inbuilt Inert Gas purging facility to extinguish fire.
- Antistatic Matt for static spark prevention.
- 7 " HMI PLC with all Alarm generation and safety interlocks.
- Panic button to activate safety system.
- Mobile Alert, E-mail Alert for Alarm Transmission.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ,IQ ,OQ &PQ Documentation for Equipment and software.

• FREEZE THAW CHAMBER - HAMCO 63 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- Temp Range -20 Deg C to +60 Deg C with RH Range 40-95% Rh.
- Multi set Point Facility where 8 step can be settled with unlimited repetition.
- Authorised door Access only through password protection.
- Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ,IQ ,OQ &PQ Documentation for Equipment and software.

• WALK IN COOLING INCUBATOR - HAMCO 64 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory
- Stand by Refrigerator system.
- Temp Range: 10 Deg C to 60 Deg C
- 8+8 Temp+Rh scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ ,OQ &PQ Documentation for Equipment and software.

• THREE ZONE CHAMBER - HAMCO 81 SERIES



HA SCADA

• PHARMA REFRIGERATOR - HAMCO 45 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory.
- For precise Monitoring of Temperature.
- 4 Temp scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• WALK IN COOLING CHAMBER - HAMCO 62 SERIES



HA SCADA

- 7" PLC Based control with 10,000 data storage Memory
- Stand by Refrigerator system.
- Temp. Range: 2 Deg to 8 Deg.
- 8+8 Temp+Rh scanner for Auto Validation
- Authorised door Access only through password protection. Door access report generation to see the door open activity with reason.
- All Alarm generation and safety interlocks.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ, OQ & PQ Documentation for Equipment and software.

• VACUUM OVEN-CIRCULAR & RECTANGULAR



CE

- Temp Range 40 to 250 Deg C with Vacuum Level upto 760 mm of Hg.
- Both Round and Rectangle Model is available.
- Single Arm Pull to Lock the door. Easy to operate.
- Inbuilt Vacuum Pump with All model.
- Gas Purging and Venting Facility to Heat the sample to prevent oxidation if required.
- Optional Data Logger facility to Log the temperature and vacuum data and plot on printer or PC.
- Front door having Toughened glass window to observe the sample while heating.
- HA Log Desktop based Software as per 21 CFR compliance.
- Complete with DQ, IQ ,OQ &PQ Documentation for Equipment and software

• THERMAL SHOCK CHAMBER - HAMCO 49 SERIES



CE



HA SCADA

- CE Certified Flameproof Stability Chamber for Aerosol.
- 7" PLC Based Control with 10000 data storage memory.
- Thermal Shock Chamber is best suited for thermal shocking to sample at accelerated testing.
- "HAMCO" Make Thermal Shock Chamber having upper one is heating at (100 Deg to 150 Deg C) Lower chamber is cooling at (-20 to -40 Deg C)
- It is with Pneumatic cylinder and all safety interlock
- Fully Programmable cycle with cyclic test facility.
- 17 Type of Reports can be generated.
- E-report Facility with Auto date and time stamp.
- Complete with one cycle of validation & DQ, IQ ,OQ & PQ Documentation for Equipment and software.

• PRECISION OVEN :- HAMCO 101 SERIES



CE

- Temp Range 40 to 250 Deg C with Accuracy 0.2 Deg C and Uniformity +/- 3 Deg C for entire range..
- Highly accurate and reliable model.
- SS Rod tray available to mount the sample.
- Top suction and two side discharge feature to achieve High uniformity across the temperature range.
- HA Log Desktop based Software as per 21 CFR compliance.
- Complete with DQ,IQ ,OQ &PQ Documentation for Equipment and software

• AUTOMATIC POTENTIOMETRIC TITRATOR - HAMCO 99 SERIES



CE

- Fully Automatic with 5.3" HMI PLC Based Titrator.
- 21 CFR Complied Automatic Titrator
- Glass burette with min. dosing level of 0.01 ml.
- It is highly accurate and we can pre programme 100 methods to run different titration.
- End point detection volume, end point mV, pH
- Single touch function for manual filling also automatic filling of burettes takes place when burette fluid is exhausted.
- It is with PC Based software
- Complete with DQ, IQ ,OQ &PQ Documentation for Equipment and software

• AUTOMATIC KARL FISCHER TITRATOR - HAMCO 123 SERIES



CE

- Fully Automatic with 5.3" HMI PLC Based Titrator.
- 21 CFR Complied Automatic Karl Fischer Titrator.
- It is volumetric Karl Fischer titration.
- It has both forward and reverse speed options.
- It is with PC Based software
- Complete with DQ, IQ ,OQ &PQ Documentation for Equipment and software

• AUTOMATIC LEAK TEST APPARATUS - HAMCO 155 SERIES



CE

- Fully Automatic 7" HMI PLC Touchscreen
- 21 CFR Complied Automatic Leak Test Apparatus.
- Available in 8" / 10" / 12" sizes.
- With Built-in Thermal Printer.
- Complete with DQ, IQ ,OQ &PQ Documentation for Equipment and Software.
- Material of Construction SS 304.

• DRUM HEATER: - HAMCO 59 SERIES



CE

- The vertical drum heater for drums in the vertical position.
- The heating power is 12 kW at 240V AC three phase.
- Hamco drum heaters provide an easy, efficient, clean and economical way for the handling of viscous or low melting point solidified materials in drums.
- You can move the drum heater anywhere in 10 m periphery, so you don't need carry the drum to heater instead heater can be moved towards the drum
- Such materials include asphalt, Bitumen, Fats, gelatin, glucose, grease, lubricating oils, paints, petroleum jelly, phenols, plastics, sodium tar, vasopati, oil, varnishes & waxes etc.

• AUTOMATIC WATER SEPARABILITY TESTER - HAMCO 95 SERIES



CE

- Fully Automatic Water Separability Tester with HMI PLC Touchscreen.
- Confirms to ASTM D1401, ISO 6614.
- PLC that ensures complete automation of test parameters including temp. control, stirring, timing and setting operations.
- Built in Stirrer speed regulations and automatic sample timing sequence ensuring accuracy and repeatability of results.
- Ideal for Oil Refineries, Lubricant Manufacturers and Quality Control Labs.
- It is with PC Based software
- Complete with DQ, IQ, OQ & PQ Documentation for Equipment and software

• SALT SPRAY CORROSION CHAMBER - HAMCO 21 SERIES



CE

- Fully Automatic 7" HMI PLC Touchscreen
- Confirms to ASTM B117, ISO 9227 and JIS Z 2371.
- Constructed with FRP body ensuring long life and resistance to corrosion.
- Accurate PLC Controller for accurate chamber conditions.
- Available in 120, 200, 450, 1000L in sizes.
- Ideal for automotive, paint, plating and metal finishing industries.
- Complete with DQ, IQ, OQ & PQ Documentation for Equipment and software

• CLEVELAND OPEN CUP TEST APPARATUS: HAMCO 19 SERIES



- “CE” Certified Flash point tester.
- As per ASTM D 92, ISO 2592, IP 36, IS 1448(P-69).
- Fully Automatic operation with HMI Touchscreen colour display.
- Temp range 79 to 400 Deg C.
- Memory bank to store 1000 data with inbuilt printer and PC software.
- Supplied along with standard sample to validate the instrument.
- All necessary safety interlock with self detection of fault.
- Also semiautomatic model is available.

• PENSKY MARTENE CUP TEST APPARATUS: HAMCO 30 SERIES



- “CE” Certified Flash point tester.
- As per ASTM D 93, ISO 2719, IP 34, IS 1448(P-21).
- Fully Automatic operation with HMI Touchscreen colour display.
- With Electric and Gas ignition both is available.
- Temp range 40 to 400 Deg C.
- Memory bank to store 1000 data with inbuilt printer and PC software.
- Supplied along with standard sample to validate the instrument.
- All necessary safety interlock with self detection of fault.
- Also semiautomatic model is available

• ABEL FLASH POINT TEST APPARATUS: HAMCO 18 SERIES



- “CE” Certified Flash point tester.
- As per ISO 13736, IP 170, ISO 1516, ISO 1523.
- Fully Automatic operation with HMI Touchscreen colour display.
- With Electric and Gas ignition both is available.
- Temp range -10 to 100 Deg C.
- Memory bank to store 1000 data with inbuilt printer and PC software.
- Supplied along with standard sample to validate the instrument.
- All necessary safety interlock with self detection of fault.
- Also semiautomatic model is available

• KINEMATIC VISCOSITY BATH - HAMCO 48 SERIES



- “CE” Certified Kinematic Viscosity Bath.
- As per ASTM D 445, D2532, D6074, D6158, IP 71, ISO 3104, DIN 51550
- Temp Range ambient +5 Deg C to 150 Deg C.
- Temp accuracy +/- 0.01 to 0.03 Deg C.
- To accommodate 6 Viscometer at a time.
- Supplied along with all necessary accessories to perform the test

• CLOUD & POUR POINT APPARATUS - HAMCO 9 SERIES



- “CE” Certified Pour Point apparatus.
- As per ASTM D 97, D2500, D5853, D6074, D6158, IP 15,219, ISO 3015,3016, DIN 51597, FTM 791-201, NF T 60-105.
- With all necessary accessories like Pour point tube, Silicon Bush, Cork sheet, certified thermometer
- “Hamco” Manufacture different model Like
- Single compartment -35 Deg C (Hamco 9B Model)
- Single compartment -55 Deg C (Hamco 9C Model)
- Single compartment -70 Deg C (Hamco 9F Model)
- Three compartment 0 Deg C, -17 Deg C, -35 Deg C (Hamco 9D Model)
- Four compartment 0 Deg C, -17 Deg C, -35 Deg C, -51 Deg C (Hamco 9E Model)

• RAMSBOTTOM CARBON RESIDUE APPARATUS - HAMCO 31 SERIES



- Determines the 'carbon residue' left after evaporation and pyrolysis of a sample oil in the Ramsbottom furnace, providing an indication of the deposit forming tendencies of fuels and guidelines for the processing of refinery products.
- STANDARDS : ASTM D 524, D6074, IP 14, ISO 4262, FTM 791-5002, NF T 60-117.
- Model : 5 cavity Model

• FOAMING TEST APPARATUS - HAMCO 22 SERIES



- “CE” Certified Foaming Bath.
- TEST METHOD :- Foaming of lubricating oils in applications involving turbulence, high speed gearing or high volume pumping can cause inadequate lubrication, cavitation, overflow and premature oxidation.
- The sample is blown with a controlled volume of air at different specified temperatures, including a newer high temperature test at 150°C.
- The resultant foam is measured at the end of each aeration period and at different intervals afterward. In the high temperature test, the amount of time required for the foam to collapse to "0" after the aeration period is also measured.
- STANDARD :- Conforms to the specifications of: ASTM D892, D6082; IP 146; DIN 51566; FTM 791-3211; NF T 60-129.

Model : Single(Hamco 22A), Double(Hamco 22B), Triple (Hamco 22C).

• COPPER CORROSION TEST APPARATUS : HAMCO 10 SERIES



- TEST METHOD :- The Copper Strip Tarnish Test assesses the relative degree of corrosivity of petroleum products, including aviation fuels, automotive gasoline, natural gasoline, solvents, kerosene, diesel fuel, distillate fuel oil, lubricating oil and other products.
- A polished copper strip is immersed in 30mL of sample at elevated temperature. After the test period, the strip is examined for evidence of corrosion and a classification number from 1-4 is assigned based on a comparison with the ASTM Copper Strip Corrosion Standards. For aviation fuels and natural gasoline the sample tube is placed inside a stainless steel bomb during testing.
- STANDARD :- Conforms to the specifications of: ASTM D130& 1838, D6074, D6158; IP 154; ISO 2160; DIN 51759; FTM 791- 5325; NF M 07-015.

• AUTO. DISTILLATION RANGE TEST APPARATUS: HAMCO 17 SERIES



- “CE” Certified Distillation Range Test Apparatus.
- As per D86, D285, D4737 method.
- Fully Automatic operation with 7" HMI Touchscreen colour display.
- Peltier based cooling bath, no need of water, works in dry condition
- Auto measurement of volume through optical sensor.
- Graphical representation of Temp. vs Volume.
- Continuous working temp. of 400 deg.
- “ HMI PLC based control 10000 data storage memory.

• AUTO. SOFTENING POINT APPARATUS - HAMCO 65 SERIES



- The sample is cast in shouldered rings and heated at a controlled rate under the weight of a steel ball. The softening point is the temperature at which the bitumen disks soften and sag downward a specified distance.
- Standard :- Conforms to the specifications of: ASTM D36, E28; AASHTO T53; IP 58, 198; NF T 66-008
- Model : Manual, Semiautomatic, Automatic.

• DROP POINT APPARATUS :- HAMCO 55 SERIES



- The dropping point test permits uses a different heating procedure: the test cell is inserted in an aluminum block oven maintained at a constant temperature that is higher than the expected dropping point of the sample. The sample temperature then rises to the dropping point without operator control.
- Standards :- Conforms to ASTM D566, D4950; NF T 60-102 and related specifications Conforms to ASTM D2265 and D4950 specifications
- Model :- Manual, Semiautomatic.

• AUTOMATIC PENETROMETER - HAMCO 69 SERIES



- Fully Automatic Penetrometer with PLC Touchscreen.
- Fully complied to ASTM D5, IP 49 and Is1203 standards.
- Fully automatic with automatic timing and digital penetration depth display.
- Equipped with high precision motorised lifting mechanism for smooth needle movement.
- Built in Illumination and magnifier for accurate needle alignment.
- It is with PC Based software
- Complete with DQ, IQ ,OQ &PQ Documentation for Equipment and software

• AUTOMATIC BOMB CALORIMETER: HAMCO6E



- "CE" Certified Automatic Bomb Calorimeter.
- Fully Automatic model with single Unit. No assembly required.
- Test Method: - Determines the 'Gross Calorific Value of any solid or liquid sample by determining the water equivalent by burning 1 Gm. of Known CV sample.
- Standard: - Confirm to the specification ASTM D 4809, D 240, D E711, IS -1350- 1966, BS 1016 PART 5-1967, IP 12/63 T.
- Model :- Semiautomatic , Fully Automatic with Printer and with Automatic Oxygen Filling.

• AUTOMATIC ISOPERIBOL BOMB CALORIMETER: HAMCO6F



- "CE" Certified Automatic Isoperibol Bomb Calorimeter.
- Fully Automatic Model with automatic Jacket temperature control system.
- Temperature Resolution : 0.0001 Deg C. RSD : Better or equal to 0.2%.
- Jacket temp control Automatic, Bucket filling through Automatic Measured Pipette but manually, Bomb removal type.
- Standard: - Confirm to the specification ASTM D 5865.
- Model : Fully Automatic.

• MOISTURE OVEN / VOLATILE MATTER : HAMCO 91 SERIES



- Ash is determined by weighing the residue remaining after burning the coal or coke under rigidly controlled conditions of sample weight, temperature, time, atmosphere, and equipment specifications.

• **OUR OTHER PRODUCTS**

PHARMA & LAB INSTRUMENTS

- CRYOSTAT BATH
- AUTOMATIC LEAK TEST APPARATUS
- COD DIGESTOR
- CONSTANT TEMP. WATER BATH
- LAB REFRIGERATOR
- PLANT GROWTH CHAMBER

OIL & PETROLEUM PRODUCTS

- LOW TEMP. KINEMATIC VISCOSITY BATH
- REDWOOD VISCOMETER
- CAPILLARY GLASS VISCOMETER
- REID VPOR PRESSURE TEST APPARATUS
- CARBON RESIDUE CONRADSON
- SMOKE POINT APPARATUS
- AIR RELEASE VALUE
- COLD FINGURE PLUGGING POINT APPARATUS
- DISTILLATION RANGE APPARATUS
- RUST PREVENTING CHARACTERISTIC
- WATER SEPARATIBILITY / DEMULSIBILITY BATH

COAL & BITUMEN TESTING INSTRUMENTS

- MUFFLE FURNACE (UP TO 1000 Deg C)
- MOISTURE OVEN FOR COAL

OUR GLOBAL REACH

MOROCCO

SOUTH AFRICA

MALAYSIA

SRILANKA

PHILIPPINES

UAE

KUWAIT

SAUDI ARABIA

USA

BANGLADESH

OMAN

SINGAPORE

BHUTAN

MAURITIUS

TANZANIA

ETHIOPIA

NEPAL

UK

KENYA

NIGERIA

HAMCO



ISO - 9001 : 2015

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