

# ABC-3030

Automatic Bomb Calorimeter with Internal Thermal Printer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

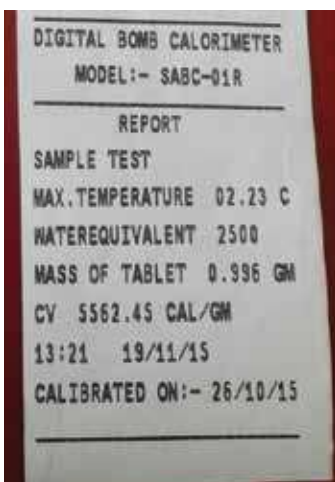
An ISO 9001 Certified Company

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## ► Features

- Microprocessor based Digital Auto gas filling bomb calorimeter
- Fills Gas into the bomb automatically with single button press
- Calculates calorific value of any substance automatically.
- Digital Pressure Gauge in built.
- Graphical LCD display for easy view of all parameters at a time on screen.
- Thermal Printer in built to print Calorific Value, Date & Time on the Report Generated.
- 4X4 matrix keypad for easy setting of data in menu. Numeric Digits 0-9 are provided on the front panel for feeding Values such as Weight of the tablet, Water Equivalent values etc.
- Oxygen is filled automatically by pressing a Push Button and cuts-off automatically when the desired pressure of 26 Kg/cm<sup>2</sup> is reached.
- Flexible High Pressure Teflon steel braided Tubing is provided with the Automatic Oxygen Filling System, which is very user friendly.
- Readability of 0.001 °C in Ambient & Rising Temp
- Accuracy of Calorific Value ± 150 calories
- Supplied Complete With 24 accessories Like Puff- Insulated Jacket, Safety Device, S.S. Bomb Tablet Making Machine, Oxygen Regulator With Pressure Gauge, Safety Device & Flexible Tubing, Spares
- Working Principle : Iso-peribolic
- Data Logging via USB interface with computer
- PDF format report generation for filling the truck no. , sample no. , user ID , Batch no. etc.
- More accurate result with settings for length of thread , length of wire, ash content etc.
- Operates on 220 v , 50 Hz A.C

Thermal Printer Report



PDF Report generated with all data

BOMB CALORIMETER			
TEST REPORT			
File Name:	xyz	Date & Time:	07-Aug-14 3:51:22 PM
Analyst Name:	Chetan Chopra	Material:	Coal - A
Division ID:	Purchase	Sample ID:	JKBB
Batch ID:	289233	Supplier Name:	Rastogi Coal
CALORIFIC VALUE TEST			
Mass of Sample:	1 gm.	Water Equivalent:	2500 cal/°C
Length of Thread:	10 mm	Initial Temperature:	33.24 °C
Mass of Thread:	80 gm.	Rise in Temperature:	2.36 °C
Length of Wire:	6 mm		
Mass of Wire:	3.75 gm.	CV of Thread:	21 cal
Length of Un-Burnt Wire:	34 mm	CV of Wire (Net):	13.917 cal
Mass of Un-Burnt Wire:	0.213 gm.	Nitric Acid CV:	0.0 cal
Ash Content WL:	0.0 gm.	Sulphuric Acid CV:	0.0 cal
Ash Content Percentage:	0 %	Other Corrections:	0.0 cal
<b>CALORIFIC VALUE:</b>		<b>5890.98 Cal/gm</b>	

Software Snapshot



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

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Chromatograph  
3007



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Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



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Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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