

BombCal 3015

Bomb Calorimeter



Applications :

Analytical Technologies calorimeter can be used to determine the calorific value of solid and liquid combustibles such as coal, coke, petroleum oil, cement black meal, biomass fuels as well as building material.

Standards :

GB/T213-2008 Standard Test Method for Calorific Value of Coal

GB-T384-1981 Determination of calorific value of petroleum products

JC/T1005-2006 Determination of calorific value of cement black meal

ASTM D5865-2007 Standard Test Method for Gross Calorific Value of Coal & Coke

ISO1928 Solid Mineral Fuels – Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value

Specifications :

Analysis time of calorimeter: 015<15min

Temperature Resolution: 0.0001K

Heat Capacity Precision: $\leq 0.1\%$

Jacket Type: Isoperibol

Accuracy: Test results within range of standard sample

Heat Capacity Stability: $\leq 0.2\%$ within three months

Network/Balance Connection: Available (by interface RS232)

Power Requirement: 220V(-15% ~10%), 50/60 Hz

Max.Power: 1.5kW

Analytical Technologies Limited

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Sales & Support Offices:
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BombCal 3025

Bomb Calorimeter



HighLights :

Weighing the bucket water and measuring the water temperature manually, then the calorimeter will finish the whole test automatically.

Simple structure, easy for maintenance.

Durable bombs need hydrostatic pressure test only once a year.

Temperature measuring by APT1000 Platinum resistance to improve the test precision

With PCI interface, several calorimeters can be controlled by a single PC.

Calorimeter connected with balance and network by standard interface RS232, real time data can be transmitted by internal network.

Applications :

Easy to use Windows-based operating software, easy data handling.

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Standards :

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GB-T384-1981 Determination of calorific value of petroleum products
JC/T1005-2006 Determination of calorific value of cement black meal
ASTM D5865-2007 Standard Test Method for Gross Calorific Value of Coal and Coke
ISO1928 Solid Mineral Fuels – Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value

Specifications :

Analysis time of calorimeter: 15-25min
Temperature Resolution: 0.0001K
Heat Capacity Precision: $\leq 0.15\%$
Jacket Type: Isoperibol
Accuracy/stability: In accordance with related standard
Heat Capacity Stability: $\leq 0.2\%$ within three months
Network/Balance Connection: Available (by interface RS232)
Power Requirement: 220V(-15% ~10%), 50/60 Hz
Max.Power: 0.5kW

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