

Sundy

Stock code:300515



SDACM3200

Bomb Calorimeter - CV

<http://en.sandegroup.com>

Professionalism

Sundy continuously insists on independent innovation and attaches great importance to the acquisition and protection of intellectual property.

Member of "National Technical Committee on Coal Standardization Administration of China" (SAC/TC42).

Sundy has acquired 318 patents, among which 90 are invention patents.



Production Line	Meeting Room	R&D
Lab	Exhibition 2017	Public listed



Quality

ISO 9001 Quality Management System.

ISO 14001 Environmental Management System.

ISO 18001 Occupational Health and Safety Management System.

CE Certificate



SDACM3200

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Main body dimension: 500mm*600mm*425mm
Water tank dimension: 550mm*356mm*520mm
Main body weight: 65KG
Water tank weight: 17.5KG

Application

SDACM3200 can be used to determine the calorific value of solid and liquid combustibles such as coal, coke, petroleum oil, cement black meal, biomass fuels, solid wastes as well as building material.

Conformance to Standards

- ▶ ASTM D5865 Standard test method for gross calorific value of coal and coke.
- ▶ ASTM D240 Standard test method for heat of combustion of liquid hydrocarbon fuels by bomb calorimeter.
- ▶ ASTM D4809 Standard test method for heat of combustion of liquid hydrocarbon fuels by bomb calorimeter (precision method).
- ▶ ISO 18125 Solid biofuels — Determination of calorific value.
- ▶ ISO 1928 Solid mineral fuels — Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value.
- ▶ ISO 9831 Animal feeding stuffs, animal products, and faeces or urine – Determination of gross calorific value – Bomb calorimeter method.
- ▶ ISO 1716 Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value).

Specification

Analysis Time	≤14min
Temperature Resolution	0.0001 °C
Heat Capacity Precision	≤ 0.15%
Jacket Type	Isoperibol
Heat Capacity Stability	≤0.25% within three months
Balance Connection	RS232
Power Requirement	220V±10%, 50/60Hz

Highlights

- ▶ Large capacity water tank, the water temperature change of the jacket in each test is less than 0.1°C , and the heat capacity precision is less than 0.15%.
- ▶ Automatic water temperature control, water volume constant, and total water volume detection. The whole process of the experiment is completed automatically.
- ▶ Larger heat capacity, it makes the testing result more accurate and reliable.
- ▶ Measuring the temperature by PT1000 Platinum resistance to improve the test precision.
- ▶ Connected with balance and network by standard interface RS232, real time data can be transmitted by internal network.



About us

Sundy, established in 1993, is a leading supplier of coal analysis total solutions in China. With 27 years development, Sundy provides products from individual mechanical samplers, sample preparation equipment & analysis instruments to fuel intelligent management systems, intelligent integrated sampling and sample preparation systems, intelligent dust extraction systems. Product application covers from coal production, coal consuming to coal trading, coal inspection and research, from the industries of power plant, coal, metallurgy and chemical, to the industries of building material, inspection and scientific research.

With the commitment of "Honesty, Cooperation, Profession, Innovation" and extensive experience in R&D and manufacturing, Sundy has acquired over 42% of domestic market share, and products have been sold to over 50 countries in the world including USA, UK, Italy, Russia, Indonesia, Mongolia, Rwanda, South Africa, Laos, Turkey, Greece, Thailand, Vietnam, Middle East, Brazil, etc.

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