



OXYGEN BOMB CALORIMETER

GDY-1A OXYGEN BOMB CALORIMETER

Purpose

The instrument is designed and made as per GB/T213, GB/T384 and JJG672. It is suitable to determine heat value of petroleum products (Gasoline, jet fuels, diesel oil and fuel oils), which do not contain water, coal, paraffin and other combustible substance.

Characteristics

It adopts a high precision sensor.
It adopts microprocessor for control and LED for display. It can also save 31 temperatures automatically.
The stirring motor has no noise

Parameters

Heat capacity: **14000~15000 J/K**; Temperature controlling range: **10°C~35°C**;
Temperature resolution: **0.001 °C**; Repeatability error: **≤0.2%(grade C)**



Note :

Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

GDY-1A+ OXYGEN BOMB CALORIMETER

Purpose

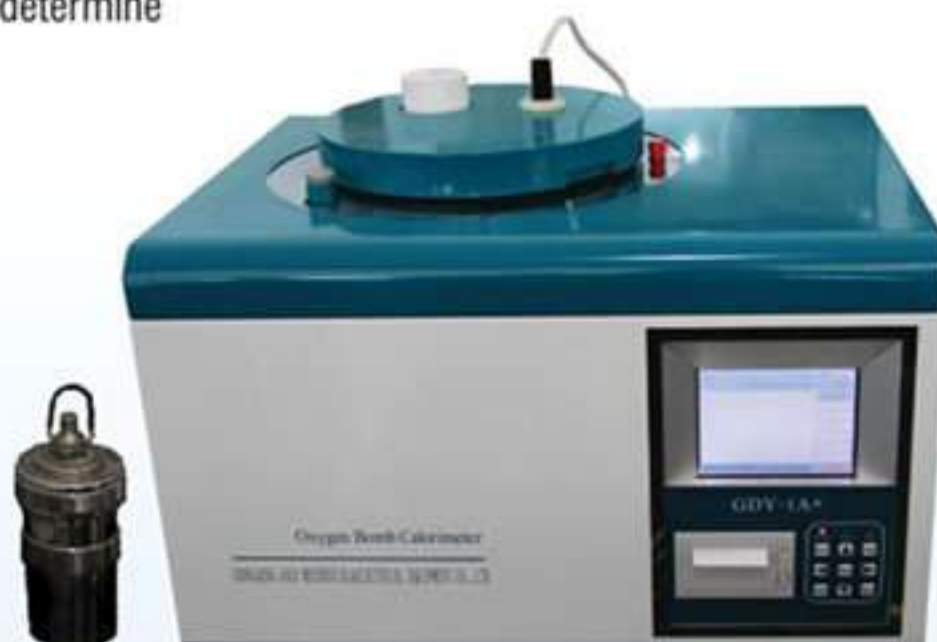
The instrument is designed and made as per GB/T213, GB/T384 and JJG672. It is used to determine heat value of petroleum products without water, such as coal, oils, tar, and paraffin, etc.

Characteristics

Adopts a high precision temperature sensor and a high performance A/D converter.
The whole measurement procedure is controlled by microcomputer.
It can print out test data automatically.

Parameters

Heat capacity: **14000~15000J/K**; Temperature measurement range: **10 ~ 35°C**;
Temperature resolution: **0.001 °C**; Repeatability error: **≤0.2 % (Grade C)**;



GDY-1C OXYGEN BOMB CALORIMETER

Purpose

The instrument is designed and made as per GB/T213, GB/T384, and JJG672. It has been widely used to determine heat value of coal, oils, tar, and paraffin, etc.

Characteristics

It can make determination automatically without manual control,
and it can record and save all test data automatically;

Equipped with test software, man-machine conversation, user-friendly interface, and operation convenience;

Parameters

Heat capacity: **14000~15000J/K**;
Temperature measurement range: **10 ~ 35°C**; Temperature resolution: **0.001 °C**;
Repeatability error: **≤0.2 % (Grade C)**; Endured pressure in oxygen bomb: **20 MPa**;





XRY-1 C OXYGEN BOMB CALORIMETER

PURPOSE:

The instrument is designed and made as per the National Standard GB/T213 "Test Methods for Heat of Coal", GB/T384 "Test Methods for Calorific Value of Petroleum Products", the National Measurement and Determination Specification JJG672 "Oxygen Bomb Calorimeter", as well as the Shanghai Company Standard "Q/YXYY-10 XRY-1 Oxygen Bomb Calorimeter". It has been widely used to determine heat value of coal, oils, tar, and paraffin, etc. It is the desired instrument for power plants, smelting, cement, and petrochemical, scientific research institutes, and colleges and universities.

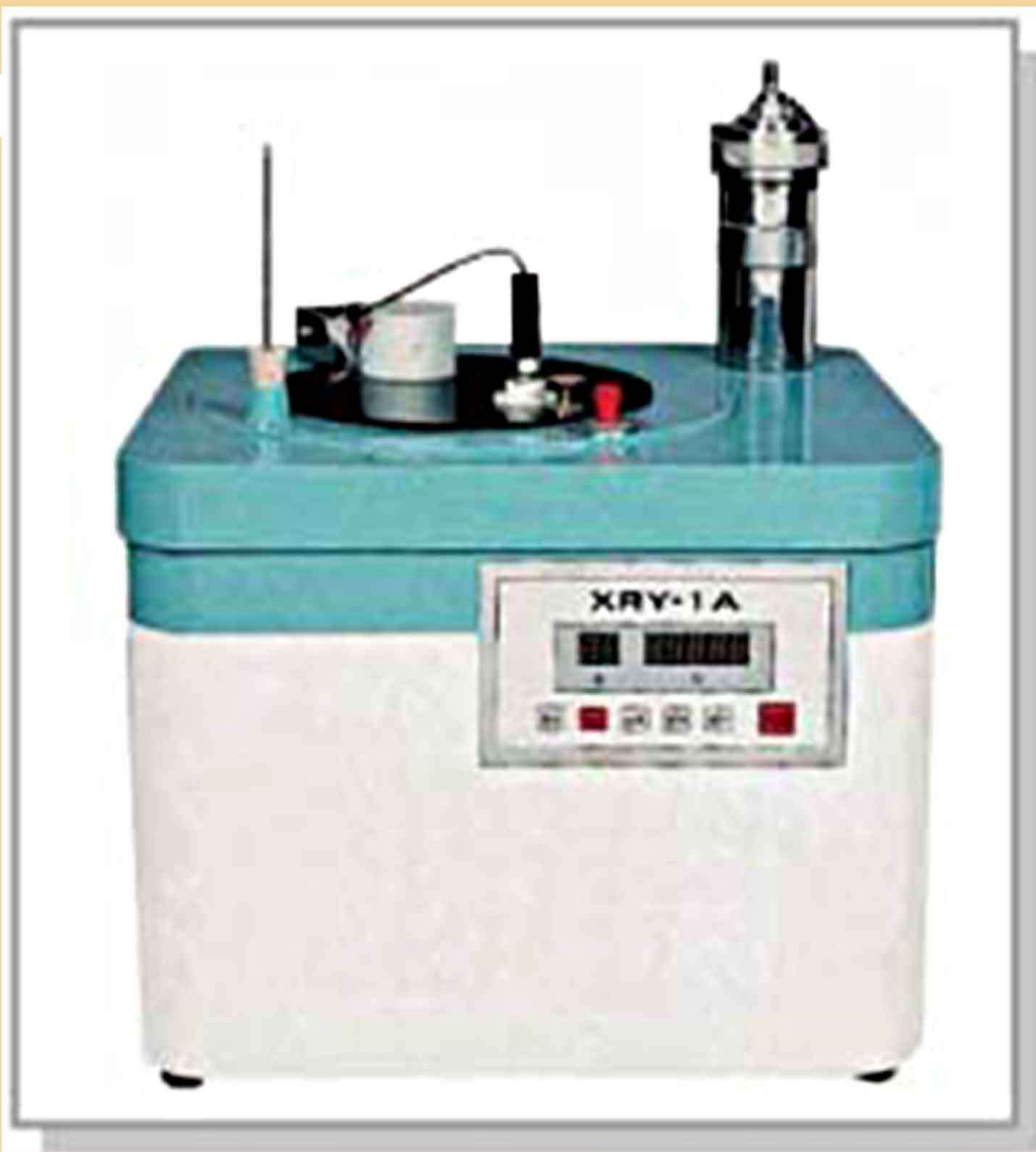


MAIN CHARACTERISTICS:

1. Equipped with a desktop computer, so you can control whole test procedures through a computer;
2. It can make determination automatically without manual control, and it can record and save all test data automatically;
3. Equipped with test software. It has function of man-machine conversation, user-friendly interface, and operation convenience;

TECHNICAL PARAMETERS

- | | | |
|--------------------------------------|---|---|
| 1. Heat capacity | : 14000~15000J/K; | Note :
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| 2. Temperature measurement range | : 10 ~ 35°C; | |
| 3. Temperature resolution | : 0.001 °C; | |
| 4. Repeatability error | : ≤0.2 % (Grade C); | |
| 5. Endured pressure in oxygen bomb | : 20 MPa; | |
| 6. Operation environment temperature | : 15 ~ 28°C(Ambient temperature);
Temperature fluctuation is not more than
1°C during a test; | |
| 7. Ambient humidity | : less than 85%; | |
| 8. Power supply | : AC 220V±5%, 50 Hz | |

**Note :**

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XRY-1A Oxygen Bomb Calorimeter

Value of heat capacity:	15 kJ/K
Measure accuracy:	$\leq 0.2\%$
Endured pressure:	20 Mpa
Temp. control range/ resolution:	10°C~35°C/0.001 °C
Power supply:	220VAC 50Hz