

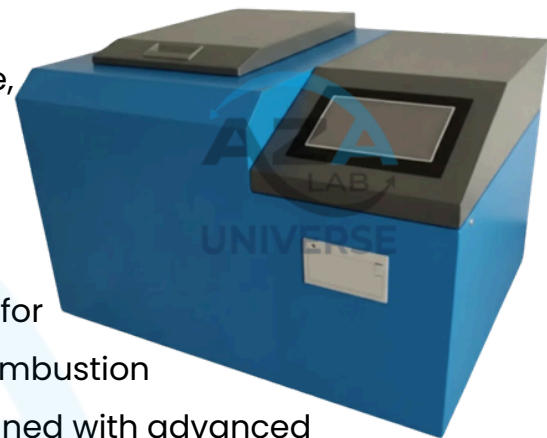


**UNIVERSE**

## **HEAT OF COMBUSTION BOMB CALORIMETER**

### **AZA1326**

The AZA1326 Bomb Calorimeter from AZA Lab is a high-precision laboratory instrument designed for accurate determination of the heat of combustion (calorific value) of solid and liquid fuels. Manufactured in accordance with ASTM D240 – Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, the AZA1326 delivers reliable, repeatable, and highly accurate calorific value measurements for industrial, research, and quality control applications. The instrument is capable of determining both Gross Calorific Value (GCV) and Net Calorific Value (NCV), making it ideal for laboratories involved in fuel analysis, energy evaluation, combustion efficiency studies, and regulatory compliance testing. Designed with advanced temperature sensing technology, automated operation, and a stable dual water tank system, the AZA1326 ensures precise calorific analysis with minimal operator intervention.



#### **WIDE SAMPLE COMPATIBILITY**

Suitable for:

- Gasoline
- Diesel
- Jet fuel
- Kerosene
- Heavy oil
- Coal
- Coke
- Biomass
- Solid fuels
- Liquid fuels



## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1326
Product Name	Heat of Combustion Bomb Calorimeter
Applicable Standard	ASTM D240
Test Materials	All Solid Materials and Liquid Fuels
Temperature Precision	$\pm 0.0001^{\circ}\text{C}$
Calorific Capacity	Approx. 10,500 J
Outer Water Tank Capacity	40 L
Inner Water Tank Capacity	2.5 L
Test Duration	15–18 Minutes (Automatic)
Sample Weight	0.9 – 1.1 g
Maximum Power	120 W
Rated Voltage	AC 220V $\pm 10\%$
Ambient Temperature	$0^{\circ}\text{C} - 40^{\circ}\text{C}$
Relative Humidity	$\leq 80\% \text{ RH}$
Instrument Weight	45 kg