

# Building Materials Flammability Tester

This machine is used to test the flammability of building materials such as stone, wood, concrete, and mineral wool. It determines the calorific value of fuels and is used in building research and technical supervision.



## Product Overview

### Professional Flammability Testing Solution

This building materials flammability tester is engineered for the precise determination of calorific values in construction materials, including stone, wood, concrete, and polymers. Utilizing the oxygen bomb calorimeter method, it provides a controlled, standardized environment to simulate combustion properties and calculate heat loss and latent heat of vaporization. This equipment is an essential tool for building research facilities and technical supervision departments requiring accurate, regulatory-compliant testing.

## Technical Specifications

Measurement Principle	Oxygen bomb heat method
Measurement Time	30-60 min
Temperature Resolution	0.001

## Ignition System

Ignition Method	Short circuit ignition
Ignition Time	5 s
Ignition Voltage	12 V

## Capacity & Environment

### Water Tank Capacity

<b>40 L</b> Outside Tank	<b>2.1 L</b> Internal Tank
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### Test Environment Conditions

- Temperature: 23 ± 2
- Ambient temperature change: d 1
- Relative humidity: 40-60% RH

## Compliance

Compliant Standards	GB/T 14402-2007, CE, ISO 9001:2000
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