

Flammable Gas Emission Tester for Substances in Contact with Water

This tester determines whether substances emit flammable gases when in contact with water under various conditions. It is designed to determine the packing type and ensure compliance with international standards.



Product Overview

Precision Hazard Assessment

This advanced testing system is designed to determine if a substance emits flammable gases upon contact with water, facilitating accurate packing type classification. It adheres strictly to international standards, including UN Test N.5 and GB/T21619-2008 protocols. Featuring an embedded processor and a fully automated testing workflow, the system ensures precision through real-time monitoring of gas release rates and environmental conditions.

Standards & Compliance

Certified Standards

UN Test N.5, GB/T21619-2008, GB30000.13-2013

Technical Specifications

Gas Collection Performance

0.8 L

Capacity

2.5 mL

Accuracy

0.1 mL

Resolution

Temperature Regulation

20 °C

Constant Temp

0.5 °C

Accuracy

Operational Performance Data

Parameter	Value/Range
Gas release rate detection range	0 ~ 3000 mL/min
Detection response time	10 ms
Timing range	0-168 hours
Sampling interval	1 s

Operating Environment

Environment Requirements

- Operating temp: 5°C ~ 30°C
- Humidity: <85% RH
- Atmospheric pressure: 60 ~ 110 kPa

Key Features

Core Functional Features

- 8-inch LCD touch screen interface
- Automatic nitrogen cleaning system
- Automated water pumping and injection
- Integrated refrigeration and heating system
- Fully sealed acid-resistant gas pipeline