High Temperature Oxygen Index Tester

This tester determines the lowest oxygen density at which tested materials maintain steady burning in mixed oxygen and nitrogen gas. It is designed to assess the flammability of fabrics and other materials at high temperatures.

Overview

High Temperature Oxygen Index Tester

This advanced analytical instrument is designed to determine the minimum oxygen concentration required to support combustion of materials under controlled conditions. Featuring the latest oxygen analyzer technology, it provides precise digital readouts and automated gas flow adjustment for reliable testing. The system is fully compliant with international standards, making it an essential tool for research, development, and quality control in industries dealing with textiles, plastics, and other flammable materials.

Technical Specifications

Applicable Standards	ISO 4589-2, ASTM D2863, GB/T 2406, GB/T 5454
Oxygen Concentration Accuracy	0.1 %
Dimensions (W x L x H)	460 x 410 x 780 mm
Weight	45 kg

Sample Capabilities

Supported Sample Types

Sample Category	Dimensions
Non-self-supporting (Textiles, Films, Paper)	150 x 37.5 mm (up to 12 mm thick)
Self-supporting (Plastics, Wood)	150 mm length (up to 10 mm diameter)

Key Features

Core Capabilities

- Automatic calibration
- Digital selection of oxygen concentration via push-button
- Automatic adjustment of oxygen and nitrogen flow
- Integrated control valves, flowmeters, and filters
- Heavy-duty Pyrex chimney

Digital Display Data

Instrument Status • Oxygen Concentration • Flow Rate • Chimney Temperature • Elapsed Time