Pensky-Martens Closed Cup Flash Point Tester

This tester determines the flash point of flammable liquids using the Pensky-Martens closed cup method. It is suitable for determining the closed cup flash point of petroleum products with a flash point over 40 .

Overview

Precision Flash Point Testing

The Pensky-Martens Closed Cup Flash Point Tester is a high-precision instrument designed for reliable determination of flash points in flammable liquids, including petroleum products, paints, and solvents. Featuring advanced single-chip microcomputer control, it offers an intuitive LCD interface for seamless man-machine interaction and precise parameter setting. The unit combines a newly designed, compact structure with robust stainless steel construction, ensuring ease of use and accurate, repeatable test results for professional laboratory environments.

Technical Specifications

Power Supply	AC 220V ±10%, 50Hz
Total Power Consumption	650 W

Heating System

Heating Rates

- Procedure A: 5–8 °C/min
- Procedure B: 1–1.5 °C/min

Heating Power	600 W
Heating Control	Continuously step-less adjustable

Stirring Mechanism

Stirring Rates

Procedure	Rate (turns/min)
Procedure A	90–120
Procedure B	250 ± 10

Motor Type	BYGH101 Stepping Motor

Operational Environment

Environmental Limits

35 °C	85 %
Max Ambient Temp	Max Relative Humidity

Ignition and Probes	
Ignition Source	Gas or civilian fuel
Temperature Probe	PT100