

Flash Point



PMA 4 SC

Pensky-Martens Flash Point Tester with Sample Changer

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The Pensky-Martens closed-cup tester with sample changer measures the flash point of up to 12 samples automatically.

PMA 4 SC is suitable for flammability applications on both biodiesel and biodiesel blended fuels along with diesel, heating oil and kerosene. It is also commonly used for other potentially flammable liquids.

Benefits at a Glance

- A sample changer carousel to provide up to 12 samples
- Integrated fire-extinguishing system automatically controlled or manually released (requires N₂ or CO₂ gas)
- The One-Twist swivel-around multi-function head guarantees the safe and easy one-hand connection of all sensors and actuators such as the shutter release, stirrer, igniter and detector contacts
- A multi-detector combines the flash point detector and the temperature probe in a solid housing with a perfectly adjusted immersion depth

Convenient Operation

- Real-time measurement indication by FPPNet-software
- PC-software FPPNet is included. It is a control and analysis program that simplifies handling, data storage and program transfer. It provides online display of sample and heater block temperature, gradient (also in an XY-diagram) and test status.
- Due to the optimized re-cooling time a rationalization of up to 50 % becomes possible

Customized User Flexibility

- Application-based amount of test inserts (optional)
- Standard brass test inserts (optional)
- Stainless steel or small-volume sample cup (optional)
- Stainless steel sample temperature probe Pt100 (optional)



Standard Methods

ASTM D93 A+B+C, ISO 2719 A+B+C, JIS K 2265-3, IP 34 A+B

Technical Specification

Configuration	PMA 4 SC
Application range	Up to 405 °C (°C/°F selectable)
Test places	1 to 12
Ignition	Gas and electric (interchangeable)
Heating	According to method or user-defined
Stirring	According to method or user-defined
Cooling	Built-in forced air (fan)
Flash point detection	Thermocouple
Sample temperature	Pt100
Barometric pressure correction	Automatic correction
Safety	Overheat protection, automatic shut-off, fire-extinguishing system
Interfaces	Depending on PC configuration
Gas supply	Test flame: 50 mbar of propane or butane Fire extinguisher: 6 bar to 12 bar of nitrogen or carbon dioxide
Power supply	115 V/230 V, 50 Hz/60 Hz, 1000 W
Dimensions	900 mm x 490 mm x 620 mm (W x D x H)
Weight	35 kg

Your distributor: