



PMA 5

Pensky-Martens Flash Point Tester

PMA 5 Pensky-Martens Flash Point Tester

The automatic Pensky-Martens closed-cup tester measures the flash point at the lowest temperature at which the application of an ignition source causes the vapors of a sample to ignite. PMA 5 is suitable for flammability applications on both biodiesel and biodiesel-blended fuels along with distillate fuels like diesel, heating oil and kerosene. It is also commonly used for other potentially flammable liquids.

Benefits at a Glance

- 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
- Memory for 1000 tests, 20 operators, 100 sample names
- Statistical analysis (Min, Max, Mean, Repeatability)
- Data handling via USB stick for import into MS Excel® or to LIMS

Convenient Operation

- Test initiation by pre-installed standard test methods and ability to customize methods by 15 user-defined programs
- Calibration protocol printable
- Menu navigation by jog shuttle system with easy turn-and-push operation and color-coded LED indication for each operation mode
- 5.7" color graphics display shows real-time measurement
- Password protection

Customized User Flexibility

- PC-software FPPNet (optional) for convenient remote handling and test data storage
- Stainless steel or small-volume sample cup (optional)
- Stainless steel sample temperature probe Pt100
- Bar code scanner or keyboard (optional)



Standard Methods

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

Configuration	PMA 5
Application range	Up to 405 °C (°C/°F selectable)
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
Sample temperature calibration	Dynamic calibration against certified ASTM thermometer and offset capability with correction table (21 calibration points)
Barometric pressure correction	Automatic correction
Safety	Overheat protection, automatic shut-off, fire-extinguishing system, password
Interfaces	3x USB, 1x RS232, 1x LAN
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	230 mm x 410 mm x 460 mm (W x D x H)
Weight	14 kg
Resolution	0.1 °C

Your distributor: