



PMA 5

Pensky-Martens Flash Point Tester

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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

Technical Specifications

| 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 |

Your distributor: