

SPECIFICATION

Heating	Automatic heating with constant speed in the range: 0.5...12 ml/min
The measured range	+10...+405 °C
Temperature measurement	Glass or metal temperature sensor Pt 100 range: -50...+450°C, resolution: 0.1 °C
Mixer	Automatic programmable, range: 0...300 rpm
Ignition system	Electric or gas with a programmable interval 0.5...5 °C Electric - with automatic compensation for spiral aging
Barometric pressure	Built-in barometric pressure sensor for automatic flash point correction
Flash detection	Low mass thermocouple
Custom functions	7 inch color touch screen Storage for up to 2000 experiments The ability to transfer data to LIMS Keyboard and mouse connectivity
Fire extinguishing system	Built-in fire sensors Built-in fire extinguishing system with gas supply around the test crucible
Preliminary test	Check for light compounds in the sample
Preventive measures	Multi-level access system and reminders for safe use
Operation conditions	Air temperature 10...+35 °C Air humidity 10...80 % relative air humidity at 35 °C
Energy consumption	600 W
Overall dimensions (WxDxH)	240x470x370 mm excluding the wear spot measurement system
Weight	15 kg
Connections	1 x Ethernet, 4 x USB, Wi-Fi
Accessories	Printer, glass sample temperature sensor

Due to the constant developments in the analyzers construction, technical characteristics may change without prior notice.

DISTRIBUTOR

MANUFACTURER



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the research is carried out
with the grant support
of the Skolkovo Fund



PMA-A1

Automatic Pensky-Martens Closed Cup Flash Point Tester

ASTM D93 (A, B, C)
EN ISO 2719
EN ISO 15267
IP 34



FRESH SOLUTIONS FOR YOUR LAB

- Automatic fire extinguishing system
- Built-in atmospheric pressure sensor for automatic correction of results
- Automatic retractable crucible closing mechanism for moving the sample
- Ignition system and flame maintenance of the gas burner
- Color display, touch control
- Built-in memory for storing experimental data and more than 2000 user programs
- Remote firmware update, data export to LIMS over Ethernet network
- Built-in fan for cooling after the test is completed
- Calculation of the average flash point value

Determination of the flash point of petroleum products

The PMA-A1 is a compact and self-contained Pensky-Martens flash point analyzer in a closed crucible.

Fully complies with the standard test methods:

ASTM D 93 (A, B, C),
EN ISO 2719 (A and B),
GOST 6356,
GOST ISO 2719,
GOST R 54279, and
also has the ability to
create custom methods.

The RMA-A1 uses electronic flash point detection and allows the use of both a gas and an electric ignition system for the analyzed sample.

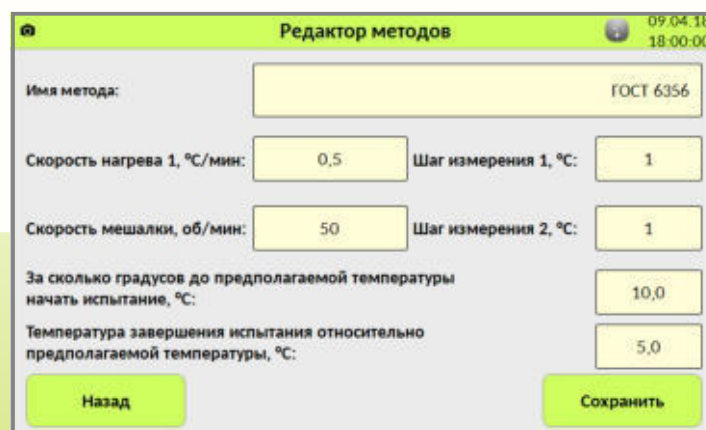


Flash point range

The automatic sample heating system allows you to determine the flash point in the ranges of +30...+360 °C (standardized range) and +10...+405 °C (technical range).

Automatic retractable crucible closing mechanism

The special bracket with a safe automatic drive is convenient to operate, has a smooth ride and does not pose a threat to human health.



Built-in fire extinguishing system

The device has an automatic fire extinguishing system. The design of the device, which is automatically controlled by IR sensors or manually controlled from an external gas supply line through an annular nozzle enclosing the test section, allows inert gas to be supplied around the test crucible throughout the entire area of possible fire.

The built-in cooling fan after the test

is completed allows the test crucible to be cooled within five minutes after the test, increasing productivity. Additional accessories are also available to allow the crucible to cool even faster.

Built-in atmospheric pressure sensor

The device has a built-in atmospheric pressure sensor and allows you to automatically adjust for atmospheric pressure.



Calibration of the device

It is carried out according to all required parameters and sensors:

- Pt100 temperature sensor calibration is dynamic, according to an ASTM certified thermometer (9C or US) or an alternative, including correction using up to 21 calibration points (set by the user),
- calibration of the heater unit temperature sensor according to the resistance store,
- calibration of the barometric pressure sensor according to an external barometer.

