ROFOX four

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OXIDATION STABILITY TESTER

The „ROFOX four" from the ROFOX series is a compact and automatic Oxidation Stability Tester with 4 independent test positions.

The solid electric heating blocks avoid the use of any liquids.

The „ROFOX Control" software controls the entire process including automatic reporting.

All test- and safety parameters are permanently monitored for unattended operation.

ROFOX Oxidation Stability Tester with 1 or 2 test positions are also available.

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Each test position is equipped with its own electric heating and can be controlled separately.

This allows different parameters for each position and a short warm-up.

The pressure sensors are without additional accessories directly connected to the front of the device.

Two redundant fans secures a reliable cooling.

The additional extensive software-independent safety equipment makes a riskless unattended operation possible.

The quickly accessible calibrating-openings on the top and software-support makes the temperature-calibration with a comparison RTD very easy.

The high quality pressure sensors are factory-calibrated and maintenance-free.

When necessarily a later calibration is carried out directly on the sensor. This makes the usage of each vessel on each position possible.

Each pressure vessel is protected with a burst disc from overpressure.

For the connection to the PC only one cable is needed.

The standard interface unit (RS232) can be replaced within few minutes with optional interface units easily (Ethernet, USB...).

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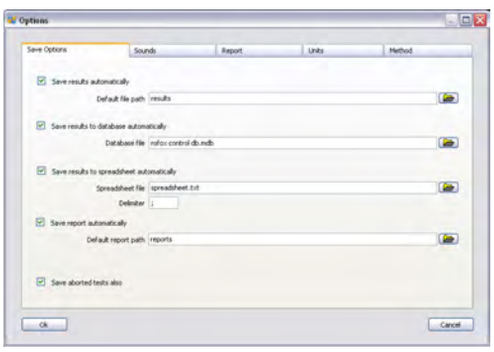
The Software controls the entire process automatically.

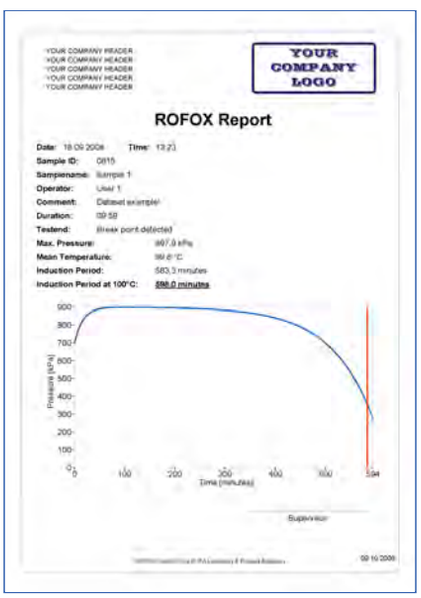
From the beginning of the test the software checks continuously the compliance of the selected standard and the settings.

The status of each position is monitored continuously. So the software automatically detects whether a vessel is inserted or not.

Many test parameters and multiple operators with different user rights are configurable.

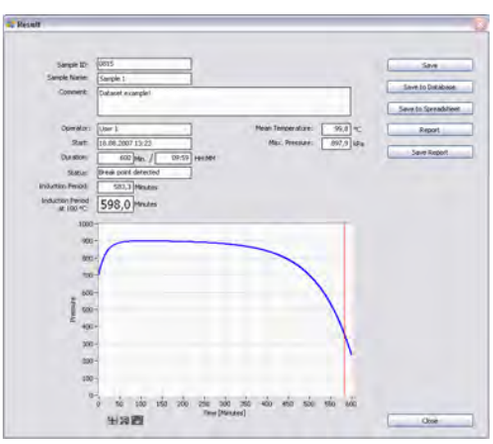
Several options for automatic data storage are also selectable.





The data interpretation and report generation is done automatically.

A summary of the results for each finished test position is available in the result window. Also there are different options for manual data storage and report generation.



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Technical specifications:	
Standards	ASTM D525, ASTM D873, EN ISO 7536
Scope	This test method covers the determination of the stability of gasoline in finished form only, under accelerated oxidation conditions and the determination of the tendency of aviation reciprocating, turbine, and jet engine fuels to form gum and deposits under accelerated aging conditions.
Version	Solid electric heating blocks (without any liquid)
Positions	4 independent test positions
Temperature range	up to 120 °C
Electric power	230 VAC, 50 Hz, 1.600 W (when operating all 4 positions)
Dimensions (W x D x H)	590 mm x 430 mm x 220 mm (without vessels) 23,3" x 17,0" x 8,7" (without vessels)
Weight	Approx. 25 kg (55 lbs) without vessels

Order information:	
ROFOX4	ROFOX four Oxidation Stability Tester (1 pc)
ROFINT-RS232	ROFOX Interface Unit, RS232 (1 pc)
OXIVES	Oxidation vessel incl. pressure sensor, burst disc, needle valve, male quick connector and connection cable (1 pc)
OXIGSC	Glass sample container with cup (1 pc)
OXICON	Oxygen pressure hose (2m/78,7") with fem. quick connector (1 pc)
ROFPCN	Notebook with pre-installed OS and ROFCON Software, EN (1 pc)
ROFCON	ROFOX Control Software CD (1 pc)
OXIMK4	Maintenance Kit incl. 1 Hex Key, 2 Air filter pads, 1 fuse T10A (1 set)

Options:	
OXIKIT	Wrench and table holder for oxidation vessel (1 set)
OXIFIL	Manual oxygen filling valve unit incl. quick connectors (1 pc)
ROFINT-USB	ROFOX Interface Unit, USB (1 pc)
ROFINT-ETH	ROFOX Interface Unit, Ethernet (1 pc)

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