

OptiFlash COC: Advanced functionality for Bitumen testing

- Ease of use and easy cleaning
- High safety standards and fire extinguishing system
- Advanced functionality for bitumen samples
- Rake option for skin removal



Keywords: OptiFlash COC, Bitumen option, Rake

Introduction:

PAC's Herzog OptiFlash COC is the benchmark in flash point analysis and a result of 50 years of experience in automated flash point measurement. OptiFlash COC is designed to perfectly meet today's expectations on user convenience, quality, and safety. The OptiFlash COC accurately detects flashpoint for petroleum products, lube oils, gear oils, food & beverages, chemicals, and bitumen.

Especially running heavy samples like bitumen, is challenging. The advanced functionality of the bitumen option can help you to address some of the special requirements.

The bitumen option gives you the opportunity to apply special parameters prior to the test, while running the test and after the flash point has been detected.

After enabling the bitumen option on the on the 4th page of the product, 3 additional parameter values will become active.



Block pre-heating temp:

This is a setting which is used prior to the test. This is to ensure that the bitumen samples which are mainly preheated, do not get solid again while the test has been started. The recommended temperature is about 50°C above the preheat temperature of your sample

Block stand-by temp:

This setting is used to keep the cup and the sample warm as this is important to have the ability to easily clean up after the test has completed. The unit will maintain the heating plate at the given temperature until you confirm that you will remove the cup and will return to ambient temperature until the next test is initialized.

Move Rake:

When the unit is equipped with the rake motor, you have the option to select between 3 modes:

Mode	Performance
None	No Rake movement
Limited	1 Movement prior to the flame application
Permanent	Permanently

The rake settings can be useful when the sample have the tendency to form a skin while heating up. The skin will cover the sample and will prevent the release of the gases, which will cause higher FP readings.

Conclusion

OptiFlash COC is in full compliance with ASTM D92. Beside testing of liquid samples, the instrument provides special parameters to address the needs heavy sample types. Together with the high safety standards, including the build in fire detection and extinguishing system, and the ease of operation the OptiFlash COC is the ideal solution for the HPI industry.