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# HAWK

Pyrolysis and TOC  
Instrument



**DELIVERING THE MOST ACCURATE  
AND WELL SUPPORTED  
PYROLYSIS INSTRUMENTS**

As a company, we believe in quality. This reflects not only in our products, but in the support we provide our customers.



## Wildcat Technologies

We are revolutionizing the way oil & gas companies and academic & research institutions analyze for Source and Reservoir Rock parameters. Wildcat Technologies not only provides state-of-the-art pyrolysis instruments but also industry leading customer support. Our flagship instrument HAWK combined with our HAWK-Eye software provide fast, reliable, and accurate TOC and pyrolysis results.

## HAWK Pyrolysis and TOC Instrument

Suited for evaluation of both conventional and unconventional petroleum resources, HAWK performs rapid and accurate Pyrolysis, TOC, and Carbonate Carbon analyses on cuttings, core, and outcrop samples. Pyrolysis on oils and other fluids samples can also be performed. HAWK is designed and built to function easily and accurately whether in the lab or at a well-site. Because of its transportable design, you now have the ability to obtain information to facilitate precise geosteering.

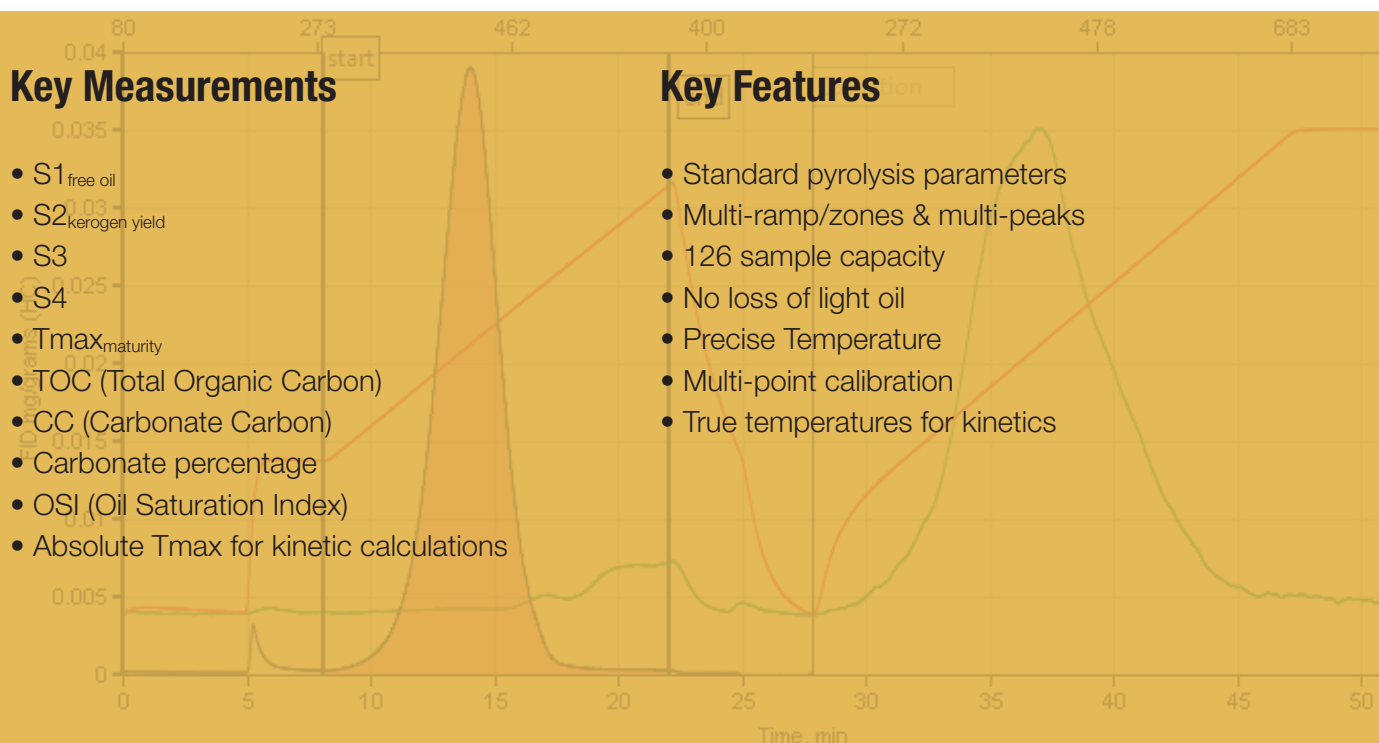
- The cool sample introduction and ball bearing oven guide guarantee accurate and reproducible results without loss of any of the initial volatiles that are thermally released from your rock samples.
- Intelligent diagnostics and modular design allows for rapid field replaceable components.
- Included reporting software (HAWK-Eye) allows assessment and comparison of various resource systems with customized reports.

### Key Measurements

- S1<sub>free oil</sub>
- S2<sub>kerogen yield</sub>
- S3
- S4
- Tmax<sub>maturity</sub>
- TOC (Total Organic Carbon)
- CC (Carbonate Carbon)
- Carbonate percentage
- OSI (Oil Saturation Index)
- Absolute Tmax for kinetic calculations

### Key Features

- Standard pyrolysis parameters
- Multi-ramp/zones & multi-peaks
- 126 sample capacity
- No loss of light oil
- Precise Temperature
- Multi-point calibration
- True temperatures for kinetics



# The Latest Advancements in Laboratory and Well-site Pyrolysis Instrumentation.

## HAWK-Eye Software

Analyze, process, evaluate and report data effortlessly

Our specially designed HAWK-Eye software provides highly diagnostic insights into your geochemical and reservoir data and enables you to easily and quickly produce reports.

- HAWK Petroleum Assessment Method (H-PAM) - can be used for example to estimate mobile oil in place and rate the producibility of unconventional prospects.
- Efficiently setup and analyze data with advanced features such as our dynamic sequence building.
- Visualize analysis in real-time while simultaneously evaluating and generating reports in multiple windows by multiple users.
- Database driven application allows instantaneous data retrieval based on your criteria, all data always available anytime.
- Fully customizable reporting capabilities to a wide array of formats such as HTML, PDF, CSV and Template support.

The screenshot displays the HAWK-Eye software interface. At the top, there are status indicators for 'on-line', 'off-line', and 'Communication: (Connected)'. Below this is a main data table with columns for 'Crucible', 'Sample id', 'Weight', 'QC', 'Method Name', 'Ana Type', and 'Start Date/Time'. A 'Sample' configuration window is open, showing options for 'Curve name', 'L.Axis', and 'R.Axis' with checkboxes for 'FID', 'Sample Temperature', 'IR CO', 'IR CO2', 'FID Air flow', 'Carrier (Helium/Air) flow', 'Split flow', 'FID Hydrogen flow', 'FID temperature', and 'Oven temperature'. To the right is a 'Tray legend' with a grid of icons representing different crucible states: empty, in queue, active, finished, aborted, error, background, standard, and quality. Below the main table is a 'Filters by value' section. In the bottom left, a 'Sample Information' report is shown, detailing method parameters like 'Pyrolysis (min)', 'Oxidation (min)', 'FID temperature', and 'Calibration data'. In the bottom right, a chromatogram plot titled 'Sample Temperature °C Adjusted' shows 'FID mg/grams (nC)' on the left y-axis and 'Sample Temperature °C' on the right y-axis against 'Time, min' on the x-axis. The plot features several peaks labeled 'Oil-1', 'Oil-2', 'Oil-3', 'Oil-4', and 'K-1' with their corresponding retention times: 16, 67, 137, 173, 320, 367, and 525 minutes.

Call us at **1-281-540-3208** or email us at [info@wildcatttechnologies.com](mailto:info@wildcatttechnologies.com) to schedule a no-hassle consultation or demo.



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## Support

At Wildcat Technologies, our goal is to provide the best customer service and user experience in the industry. Right from the beginning, our technicians will be onsite with you for a minimum of three days explaining maintenance and training your team on using your new HAWK Instrument and HAWK-Eye software. Even after the initial purchase, we are always available via email and phone. Additionally, we've provided resources and tools for you to access and use on demand, such as our online Support Center that includes FAQ's, documentation and more.

## Contact Wildcat Technologies Today!

Our staff provide expert assistance to help you select the right instrument for your needs, and also ensures your staff is fully trained on all aspects of your new instrument. With a focus on reliability, accuracy, and precision, our products provide the superior choice for analysis of cuttings, core, and outcrop samples.



### Access Your Data Anywhere

Access reports and data real-time, HAWK data can be viewed on most PC and mobile devices.

## Wildcat Technologies, LLC

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