



trusted solutions.  
re-imagined.

## Product Portfolio

We reduce complexity and build intuitive easy-to-use instruments providing fast results with the highest precision and maximum reliability.

# VAPOR PRESSURE TESTING

The versatile ERAVAP and the process solution ERAVAP ONLINE are the most accurate and reliable vapor pressure testers on the market, always compliant with the latest international standards. The process solution ERAVAP ONLINE features the same measurement cell as the laboratory instrument, ensuring lab-grade results at any time.



eravap



eravap online

## KEY FEATURES

- Unmatched precision & accuracy (r=0.15 kPa / R=0.5 kPa)
- Widest temperature range of -20 °C to 120 °C (-4 °F to 248 °F)
- Option: Built-in high precision D4052 density meter
- True portability for field use
- UL Class 1, Div 1 & 2, Zone 1, ATEX and IECEx certified
- Three sample streams and one quality control stream
- Ex-proof 15" color touchscreen
- Ruggedized for 24/7 operation

ASTM  
D7094  
D6450  
D93c  
D56c  
IP620

# FLASH POINT TESTING

ERAFLASH and the autosampler ERAFLASH S10 with the inherently safe Continuously Closed Cup method guarantee maximum safety and speed. The small sample volume of 1-2 mL makes both instruments ideal for various applications like fuels, lube oils, paints, flavors & fragrances and many more. They cover an unprecedented temperature range from -25 °C to 420 °C (-13 °F to 788 °F).



eraflash



eraflash s10

## KEY FEATURES

- No open ignition source
- Only 1-2 mL sample needed
- PBT - Peltier Boost Technology™ for maximum speed & range
- Built-in Quality Control Mode
- Heat-insulated cup holder
- Automated analysis of up to 10 samples within 90 minutes
- PBT - Peltier Boost Technology™ for maximum speed & range
- Optional cooling lid
- Contamination Prevention Technology™

ASTM  
D5191  
D6378  
D5188  
D6377  
D4052

# SPECTRAL FUEL ANALYSIS

The fully automated FTIR spectrometer ERASPEC and the NDIR spectrometer ERAJET FAME are fully automatic high-end fuel analyzers. Within seconds they determine complex fuel properties like octane & cetane numbers, distillation fractions or FAME in jet fuel. The portable and ruggedized design brings lab-grade measurement quality into the field.



**eraspec**



**erajet fame**

## KEY FEATURES

- Full fuel composition analysis for gasoline, diesel fuel and jet fuel
- Pre-installed and easily expandable & transferable database
- Innovative multi-cell design
- Built-in high precision D4052 density meter
- Ultra-fast and easy determination of all types of FAME in jet fuel
- Excellent correlation to IR as well as GC standards
- Lab-grade precision:  $r \leq 4 \text{ mg/kg}$  and  $R \leq 6 \text{ mg/kg}$

ASTM  
D5845  
D6277  
D7806  
D4052  
ISO12185

ASTM  
D8193  
D7678  
D7066  
ISO9377  
EPA 1664

# OIL-IN-WATER TESTING

The CFC-free oil-in-water testers ERACHECK ECO and ERACHECK X easily measure the concentration of TOG, TPH and FOG in water and soil with sub-ppm precision. They deliver consistent results over a wide range of crude types using cyclohexane for the extraction. ERACHECK X is the perfect solution for on-site testing in tough ambient conditions.



**erachek eco**



**erachek X**

## KEY FEATURES

- Measurement based on a non-dispersive IR transmission technology (D8193)
- MDL of 0.5 mg/L
- No loss of light ends of samples
- Optional 10-position autosampler
- Rugged design with a small footprint
- On-site results in under 5 minutes
- Easy creation of user calibrations

# DENSITY TESTING

ERADENS X and ERADENS XS are the world's smallest and lightest high-precision density meters measuring in full compliance with ASTM D4052 and ISO 12185. ERADENS XS is the game changer for density testing in the field. The vertically aligned x-oscillating metal U-tube design is extremely reliable and insensitive to toughest ambient conditions.



**eradens X**



**eradens xs**

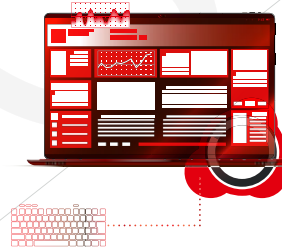
## KEY FEATURES

- Unique sample introduction from the top
- Density results with 5-digit precision
- Large colour touch screen
- Innovative FillingProof™ Technology
- Most compact field tester with lab-precision
- Corrosion-resistant aluminium housing - no moving parts
- Wireless operation with Bluetooth® and battery

ASTM  
D8120  
D4057  
D4378  
D6224  
ISO14830

# OIL CONDITION MONITORING

The comprehensive ERASOFT OCM software solution from **eralytics** controls the entire OCM process and brings together the measurement results of all the devices involved centrally. The ferro debris analyzer ERATEST FERRO determines the content of iron wear and completes the OCM portfolio.



**erasoft OCM**



**eratest ferro**

## KEY FEATURES

- Flexible asset management for any company structure
- Definition and implementation of maintenance activities with a focus on OCM
- Automatic reporting including notification of critical limits
- Determining the total content of ferromagnetic wear particles in oils or greases in ppm
- Battery for independent operation
- Outstanding software featuring trending and asset management

ASTM  
D4052  
D5002  
D7777  
ISO12185  
ISO5725

# SPECTRAL OIL ANALYSIS

The RDE-OES spectrometer ERAOIL is your analyzer of choice for wear metal and elemental analysis. It is perfectly suitable for lab and on-site applications. With the portable FTIR spectrometer ERASPEC OIL, detailed lubricant and diesel fuel analysis is performed fully automatically in seconds.



eraoil



eraspec oil

## KEY FEATURES

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Analyzing wear metals, contaminants, and additives in lubricating oils</li> <li>• Measurement of up to 32 elements in 30 seconds with sub-ppm LOD</li> <li>• Built-in PC, touchscreen, sharpener &amp; ventilation</li> </ul> | <ul style="list-style-type: none"> <li>• Monitoring of degradation, additive depletion and contaminants within seconds</li> <li>• Direct trending and spectral subtraction analysis method</li> <li>• ASTM, DIN and JOAP methods</li> <li>• Evaluation of TAN and TBN</li> <li>• Option: Diesel fuel analysis</li> </ul> |
|--|--|

ASTM  
D 445  
D7042  
D4052  
ISO4406  
ISO11171

# VISCOSITY & PARTICLES

The kinematic viscometer ERAVISC X with its revolutionary viscosity cell enables simultaneous high-precision density measurement with **eralytics'** unique x-oscillating metal U-tube density meter. The fastest and smallest ISO 4406 particle counter ERACOUNT XS is the analyzer of choice for fast particle measurements with laboratory precision directly in the field.



eravisc X



eracount xs

## KEY FEATURES

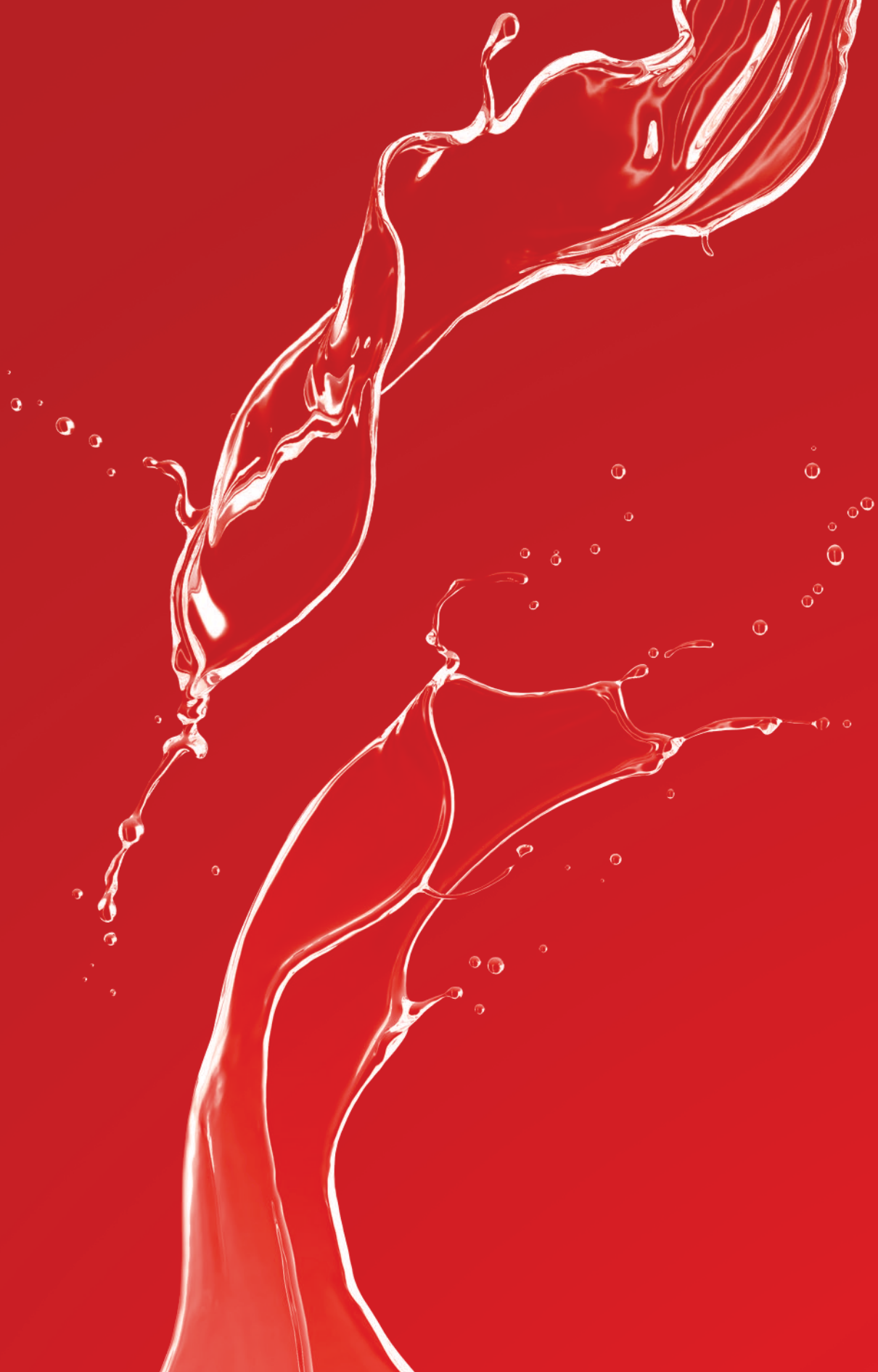
- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• 2 in 1: Viscosity &amp; Density Testing with lab-precision</li> <li>• Smallest &amp; most rugged kinematic viscometer</li> <li>• Fastest measurement in less than 60 seconds</li> </ul> | <ul style="list-style-type: none"> <li>• Measuring time of 60 seconds</li> <li>• Robust, 3 kg, full metal device</li> <li>• Measurement of up to 8 different size channels</li> <li>• Easy connection to one of <b>eralytics'</b> other OCM analyzers</li> </ul> |
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ASTM  
D6595  
D6728  
E2412  
D7412  
DIN51452



**eralytics**<sup>o</sup>  
trusted solutions.  
re-imagined.

Product Portfolio



We value the synergies we share with our customers, sales partners, colleagues and suppliers.

We live relationships actively and make our decisions based on team spirit, intuition and mutual trust.

The expectations and needs of our customers are always in the center of our thinking and acting with the clear goal to exceed them.



Xtra **E**ASY.  
Xtra **R**UGGED.  
Xtra **A**CCURATE.

THE NEXT ERA is **era**lytics all new, portable and easy to operate instrument platform.

Get an overview of our NEXT ERA analyzers in this brochure and learn more at [www.eralytics.com](http://www.eralytics.com).

eralytics<sup>o</sup>

Autokaderstrasse 29, Building 4A  
1210 Vienna, Austria  
Phone: +43 1 890 50 33 0  
office@eralytics.com  
www.eralytics.com

eralytics instruments are available worldwide.

An international network of over 50 authorized and well-trained distributors  
is ready to answer your inquiries and to offer local support and service.

[www.eralytics.com/distribution](http://www.eralytics.com/distribution)



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