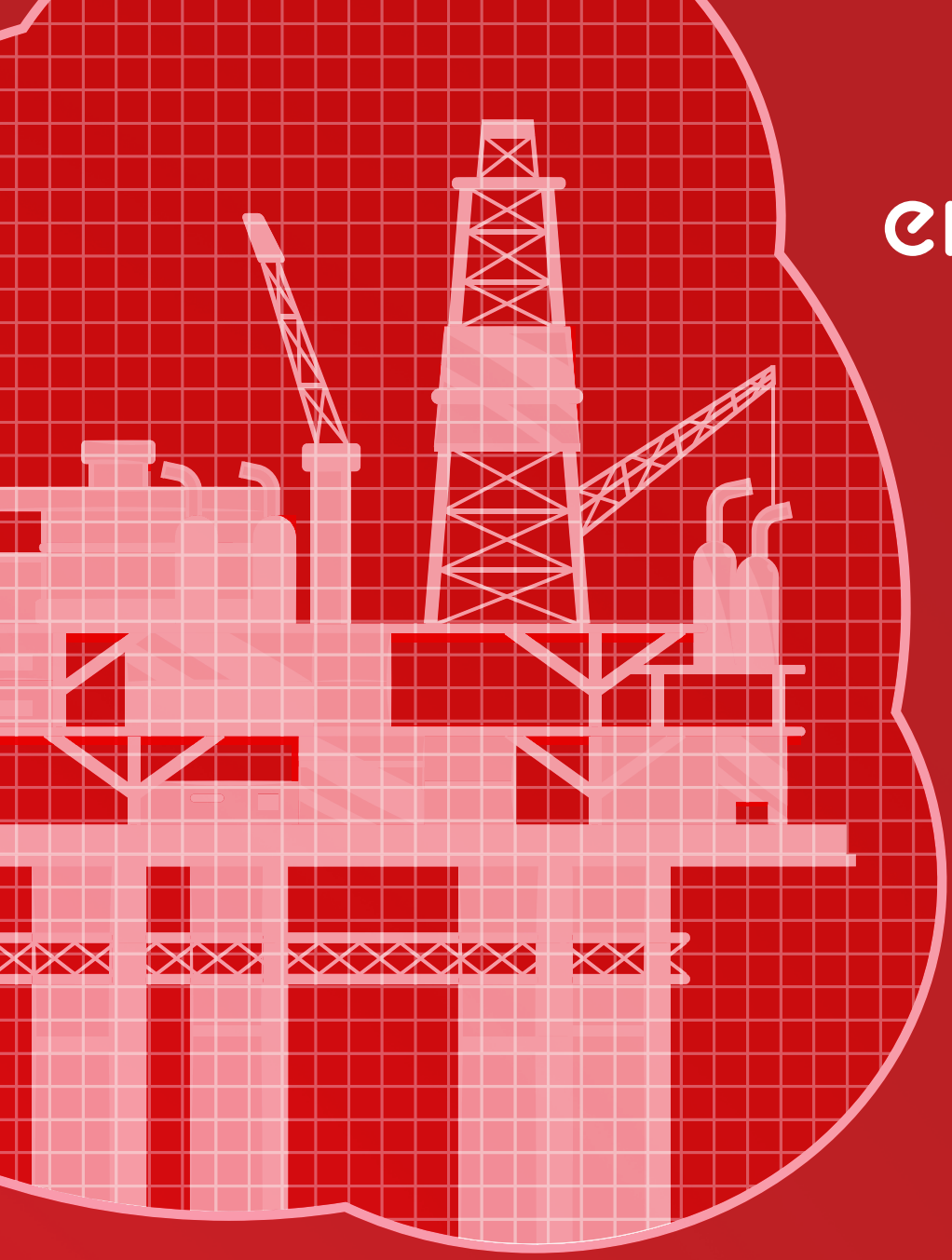


eralytics

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.

ASTM
D7094
D6450
D93c
D56c
IP620

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)
- 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
D5191
D6378
D5188
D6377
D4052

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™

SPECTRAL FUEL ANALYSIS

The fully automated FTIR spectrometer ERASPEC and the NDIR spectrometer ERAJET FAME are fully automatic high-end fuel analyzer. 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.

ASTM
D8193
D7678
D7066
ISO9377
EPA 1664

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 ≤ 4 mg/kg and R ≤ 6 mg/kg

ASTM
D5845
D6277
D7806
D4052
ISO12185

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.

eracheck eco

eracheck 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

OIL CONDITION MONITORING

With the portable FTIR spectrometer ERASPEC OIL a detailed lubricant and diesel fuel analysis is done fully automatically within seconds. The kinematic viscometer ERAVISC X offers lab-grade precision that meets ASTM D445 and ISO 3104. Its revolutionary viscosity cell is combined with eralytics unique x-oscillating metal U-tube density meter allowing a simultaneous high precision density measurement.

eravisc X

eraspec oil

KEY FEATURES

- 2 in 1: Viscosity & Density Testing with lab-precision
- Smallest & most rugged kinematic viscometer
- Fastest measurement in less than 1 min
- Unique sample introduction from the top
- Monitoring of degradation, additive depletion and contaminants within seconds
- Direct trending and spectral substraction analysis method
- ASTM, DIN and JOAP methods
- Option: Diesel fuel analysis

ASTM
D445c
D4052
E2412
ISO3104
ISO12185

ASTM
D4052
D5002
D7777
ISO12185
ISO5725

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-restistant aluminium housing - no moving parts
- Wireless operation with Bluetooth® and battery

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.

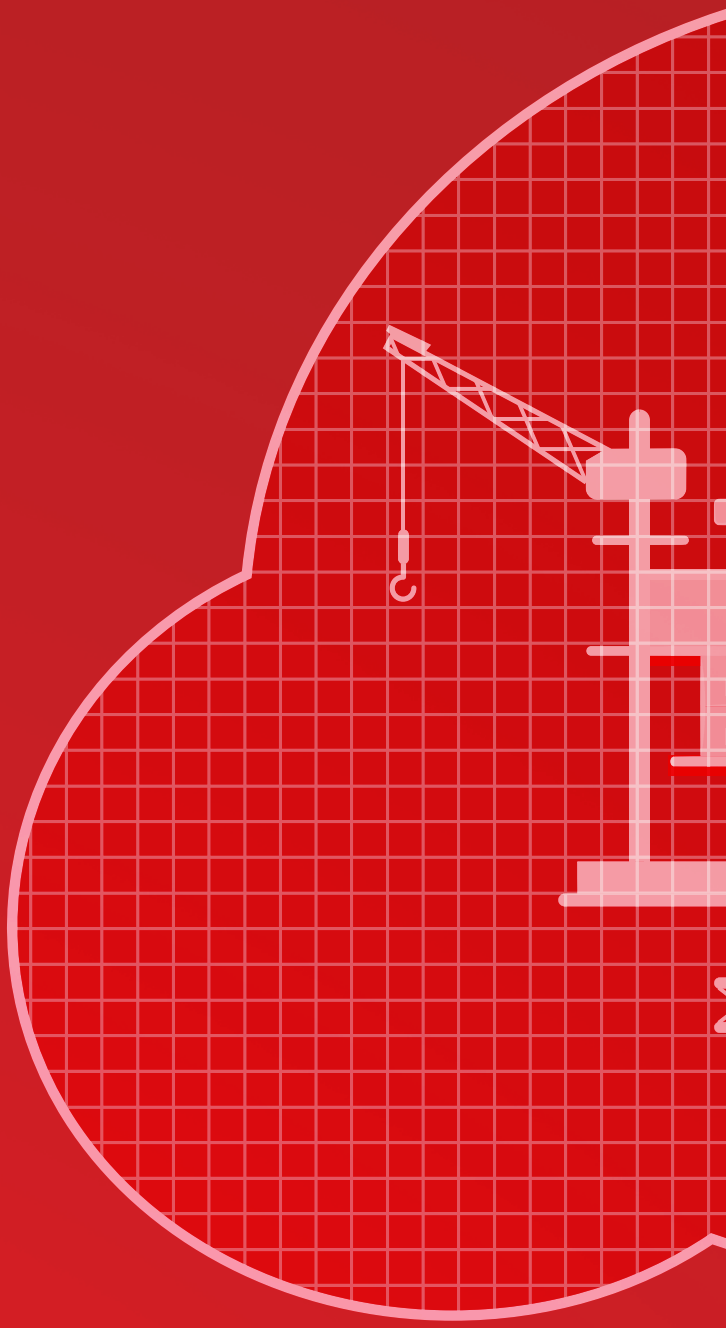
The expectations and needs of our customers are always in the center of our thinking and acting with the clear goal to exceed them.

THE NEXT ERA

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 a first impression of our NEXT ERA analyzers in this brochure and learn more at www.eralytics.com.



eralytics

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is ready to answer your inquiries and to offer local support and service.
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