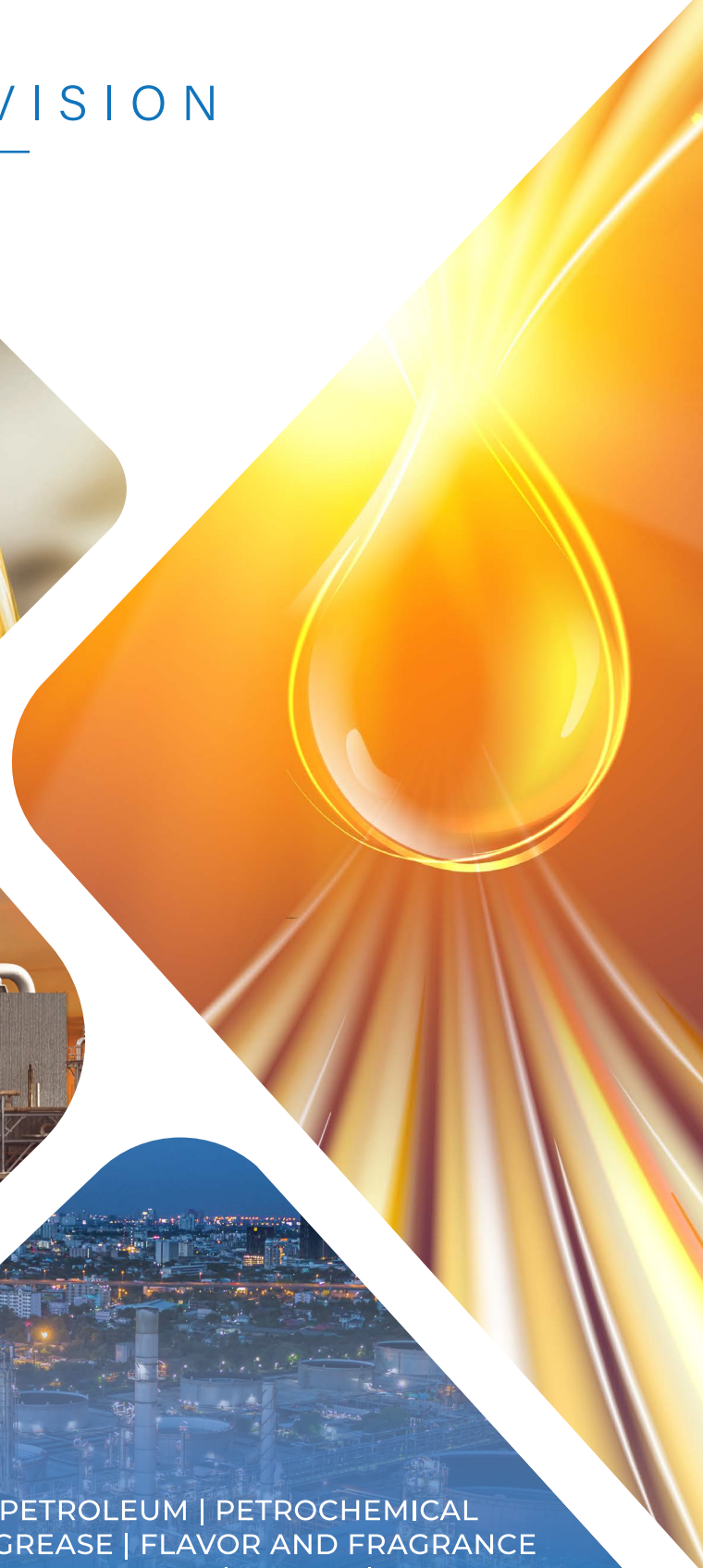


PETRO DIVISION



OIL & GAS | PETROLEUM | PETROCHEMICAL
LUBRICANTS | GREASE | FLAVOR AND FRAGRANCE
CEMENT | ENVIRONMENTAL | POWER | PHARMA
CHEMICAL INDUSTRIES

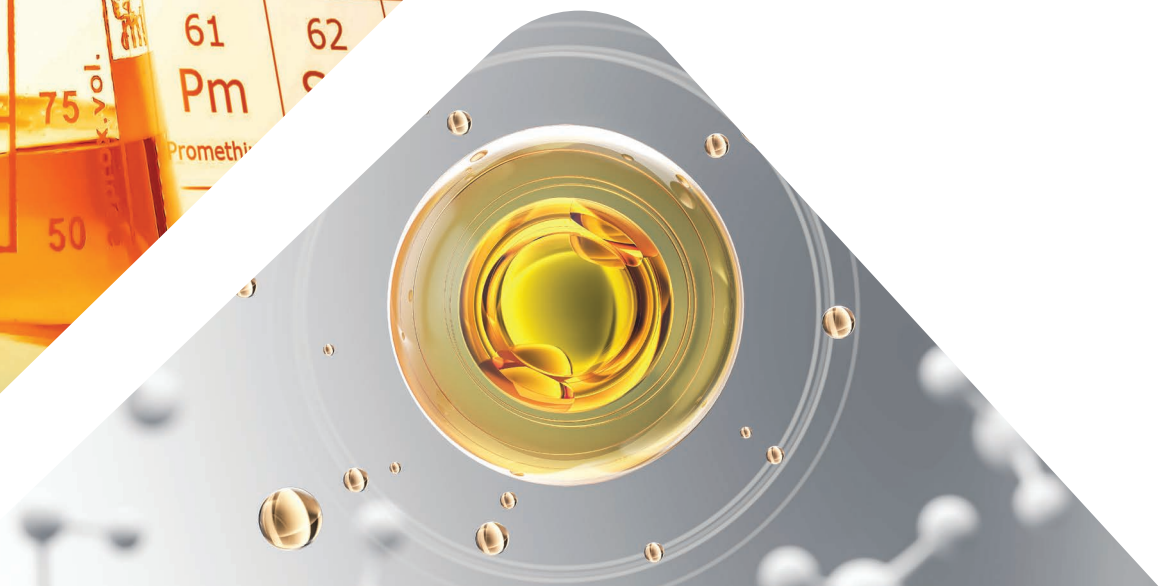
PETRO DIVISION

Labindia instruments for more than 4 decades is proud to represent a number of world-class principals in india catering to their customers requirement in the field of Analytical, Biotechnology and laboratory Instruments.

We, **Petro division** are a part of **Labindia instruments Pvt.Ltd.**, Established in the market providing “complete solution” to the requirement of large number of Laboratories, varied Industries and Institutions, across the country.

We represent speciality products, instruments and every company we represent is known for being a technology leader in the market they serve. Labindia Instruments provide all the sales, marketing and service expertise on behalf of our principals.

A market place that demands 24x7 response, we have invested significantly to stock items, provide after sales service and support to our customers.



VISCOSITY



- ◆ Conforms to ASTM D445
- ◆ KV 3000, 4000, 5000KV Bath
- ◆ HKV 3000, 4000 High Temp. Bath with integrated Digital Timing
- ◆ LKV 3000, LKV 4000 Refrigerated KV Bath
- ◆ SV 3000, SV 4000 saybolt Viscosity Bath

PENETRATION



- ◆ Conforms to ASTM D5, D217, D937, D1321, D1403, D2884
- ◆ Digital Penetrometer with Cone Penetration, Penetration of Bituminous Material, Lubricating Greases, Needle Penetration
- ◆ Mechanical Grease Worker

FUELS



- ◆ Existent Gum Evaporation Bath
- ◆ Copper Strip Test Tube Bath
- ◆ Reid Vapor Pressure Bath
- ◆ Rust Preventing Characteristic Bath
- ◆ Ramsbottom Carbon Residue Tester
- ◆ Oxidation Bath

LUBRICATING OILS



- ◆ Foaming characteristic Apparatus
- ◆ Water separability tester
- ◆ Demulsibility Bath
- ◆ Air Release Value
- ◆ High Temp. Convertible oxidation Bath
- ◆ Oxidation Bath
- ◆ Cigre bath
- ◆ Cloud & pour point bath
- ◆ Panel coker

PETRO DIVISION



LUBRICATING GREASES



- ◆ High Temp. Dropping Point Apparatus
- ◆ Roll Stability Tester
- ◆ Low temp. torque apparatus
- ◆ HT Wheel Bearing Greases Tester
- ◆ CT Air cabinet
- ◆ Lincoln Ventmeter

BITUMEN & WAXES



- ◆ CT Ductility Machine
- ◆ Auto Softening Point Apparatus
- ◆ Rolling Thin Film Oven
- ◆ Ductility Testing Machine

COLOUR MEASUREMENT



- ◆ Conforms to ASTM D156, D1209, D1500, D6047
- ◆ Auto colorimeter
- ◆ Petroleum colorimeter
- ◆ Saybolt chromometer
- ◆ Petroleum colour comparator

DISTILLATION



- ◆ Conforms to ASTM D 86, D850, D1078, D1160
- ◆ Ready for Distillation Group 1 To 4
- ◆ Automatic Distillation Apparatus
- ◆ Vacuum Distillation Apparatus
- ◆ Manual Front View Distillation

COMBINATION OCTANE RATING UNIT ENGINE



- ◆ Easy conversion between MON and RON methods is accomplished by use of the dual speed motor, with no need to change the flywheel
- ◆ The dual speed motor with slide base steadily provides constant octane engine speeds as per ASTM D2699 and D2700 methods during operation
- ◆ The engine crankcase is designed with high strength and rigidity for various fuel types to ensure long service life and carefree operation
- ◆ The cylinder assembly allows the compression ratio to be changed by adjusting the cylinder height, which is adjusted by the electric motor assembly
- ◆ The dial indicator is installed on the octane engine for direct reference to the cylinder height

AUTO PMCC

Pensky-Martens Closed Cup Flash Tester



- ◆ Conforms to ASTM D 93 and related Specifications
- ◆ Flash point detection by thermocouple and ionization ring
- ◆ Electric or Gas Ignitor
- ◆ Flash point operation range between ambient and 405 °C
- ◆ 8.4" LCD touch screen interface
- ◆ Automatic barometric pressure correction



CAV 4.1 Automatic Kinematic Viscometer



- ◆ Standard temperature range: 40 °C to 150 °C (down to 20 °C with TE bath cooler option)
- ◆ Viscosity range: 0.5 mm²/s (cSt) to 10,000 mm²/s (cSt)* in 100-fold increments (easily covering the range of 5 separate manual glass viscometers)
- ◆ Two fully accessible, 14-position sample handlers ensure reliable, unattended processing of up to 24 determinations per hour
- ◆ Automation provides an alternative to labor-intensive manual testing and reduces operator to operator variability
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support

CAV 4.2 Dual Bath Automatic Kinematic Viscometer

- ◆ Temperature range: ambient to 100 °C (15 °C to 150 °C with available bath options)
- ◆ Viscosity range: 0.5 mm²/s (cSt) to 10,000 mm²/s (cSt)* in 100-fold increments (easily covering the range of 5 separate manual glass viscometers)
- ◆ Dual, independent modular baths enable simultaneous testing at two different temperatures
- ◆ Two fully accessible, 14-position sample handlers ensure reliable, unattended processing of up to 24 determinations per hour
- ◆ Automation provides an alternative to labor-intensive manual testing and reduces operator to operator variability
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support



MiniAV Automatic Kinematic Viscometer



- ◆ Developed specifically for asphalt kinematic viscosity testing at 60 °C and 135 °C
- ◆ Instrument temperature range: 40 °C to 150 °C
- ◆ Viscosity range: 0.5 mm²/s (cSt) to 10,000 mm²/s (cSt)* in 100-fold increments (easily covering the range of 5 separate manual glass viscometers)
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support Includes adjustable sample preheater and heated waste lines

MiniAV -X

Automatic kinematic viscometer with Auto sampler



- ◆ Temperature range: ambient to 100 °C (15 °C to 100 °C with available TE cooler)
- ◆ Viscosity range: 0.5 mm²/s (cSt) to 6,000 mm²/s (cSt)* in 100-fold increments (easily covering the range of 5 separate glass viscometers)
- ◆ Fits in roughly the same benchtop area as an analytical balance
- ◆ Optional Peltier cooling is environmentally friendly and requires no external refrigeration
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support

MiniAV-HT

High temperature Automatic Kinematic viscometer for Bitumen



- ◆ Developed specifically for asphalt kinematic viscosity testing at 60 °C and 135 °C
- ◆ Instrument temperature range: 40 °C to 150 °C
- ◆ Viscosity range: 0.5 mm²/s (cSt) to 10,000 mm²/s (cSt)* in 100-fold increments (easily covering the range of 5 separate manual glass viscometers)
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support Includes adjustable sample preheater and heated waste lines

MiniAV LT Low temperature Automatic Kinematic viscometer



- ◆ Temperature range: -20 °C to +30 °C
- ◆ Viscosity range: up to 20,000 mm²/s (cSt) in 10-fold increments*
- ◆ Fits in roughly the same bench-top area as an analytical balance
- ◆ Peltier cooling is environmentally friendly and requires no
- ◆ pressurized coolants (an air-water heat exchanger is included)
- ◆ A well-tested CANNON viscometer platform offers reliability and dependable support

MiniPV Dilute solution Polymer Viscometer

- ◆ Compatible with organic solvents and aqueous solutions
- ◆ On-board software with specialized polymer calculations determines relative, inherent, reduced, specific and intrinsic viscosity
- ◆ Superb temperature control (±0.01°C) from 20° C to 100 °C (with available options)
- ◆ Kinematic viscosity range: 0.3 mm²/s (cSt) to 5,000 mm²/s (cSt) in 100-fold increments. Special ranges available upon request.





MiniPV-H Dilute Solution Polymer Viscometer in Aggressive / corrosive Solvents



- ◆ Resistant to corrosive solvents and acids
- ◆ On-board software with specialized polymer calculations determines relative, inherent, reduced, specific and intrinsic viscosity
- ◆ Superb temperature control ($\pm 0.01^\circ\text{C}$) from 15°C to 100°C (with available options)
- ◆ Kinematic viscosity range: $0.3 \text{ mm}^2/\text{s}$ (cSt) to $5,000 \text{ mm}^2/\text{s}$ (cSt) in 100-fold increments. Special ranges available upon request.

MiniPV-HX Dilute Solution Polymer Viscometer in Aggressive / corrosive Solvents with auto sampler

- ◆ Complies with test methods ASTM D789, ASTM D1243, ASTM D1795, ASTM D2857, ASTM D3591, ASTM D4243, ASTM D4603, ASTM D5336, ISO 307, ISO 1628-1, ISO 1628-5, ISO 5351
- ◆ Resistant to corrosive solvents and acids
- ◆ 10 position sample handler minimizes operator exposure to hazardous chemicals
- ◆ On-board software with specialized polymer calculations determines relative, inherent, reduced, specific and intrinsic viscosity as well as molecular weight
- ◆ Integrate TE cooling provides superb temperature control from 15°C to 100°C
- ◆ Dilute solution polymer viscosity range: $0.02 \text{ mm}^2/\text{s}$ (cSt) to $700 \text{ mm}^2/\text{s}$ (cSt). Both single range and special dual range viscometer tubes are available
- ◆ Available kinematic viscosity tubes cover a range of $0.3 \text{ mm}^2/\text{s}$ (cSt) to $1200 \text{ mm}^2/\text{s}$ (cSt) with extended range tubes available on request



MiniPV-X Dilute solution Polymer Viscometer with Auto sampler



- ◆ Compatible with organic solvents and aqueous solutions
- ◆ On-board software with specialized polymer calculations determines relative, inherent, reduced, specific and intrinsic viscosity
- ◆ Superb temperature control ($\pm 0.01^\circ\text{C}$) from 20°C to 100°C (with available options)
- ◆ Kinematic viscosity range: $0.3\text{ mm}^2/\text{s}$ (cSt) to $5,000\text{ mm}^2/\text{s}$ (cSt) in 100-fold increments. Special ranges available upon request.

ULTRAVIS 192

High Speed, Solvent-Free Kinematic Viscometer



- ◆ Temperature range: 100°C ($\pm 0.01^\circ\text{C}$)
- ◆ Viscosity range: $5\text{ mm}^2/\text{s}$ (cSt) to $50\text{ mm}^2/\text{s}$ (cSt) at 100°C
- ◆ A well tested CANNON viscometer platform offers reliability and dependable support
- ◆ Large, intuitive, color touchscreen for easy operation

SIMPLEVIS

Portable Automated Kinematic Viscometer



- ◆ Provides true kinematic viscosity measurement without the need to correlate dynamic viscosity data
- ◆ Viscosity range:
- ◆ Standard range tube provides viscosities from $10\text{ mm}^2/\text{s}$ (cSt) to $700\text{ mm}^2/\text{s}$ (cSt) at 40°C and $5.5\text{ mm}^2/\text{s}$ (cSt) to $200\text{ mm}^2/\text{s}$ (cSt) at 100°C
- ◆ Low range tube provides viscosities from $2\text{ mm}^2/\text{s}$ (cSt) to $140\text{ mm}^2/\text{s}$ (cSt) at 40°C and 100°C
- ◆ Follows ASTM D7279 and offers near ASTM D445 precision due to exceptional temperature control ($\pm 0.05^\circ\text{C}$)
- ◆ Rapid cycle time of 3 to 5 minutes from sample injection to test result



SIMPLEVIS II

TE-Cooling Portable Viscometer



- ◆ Provides kinematic viscosity measurement without the need to correlate dynamic viscosity data
- ◆ Viscosity range
- ◆ Standard range tube provides viscosities from 10 mm²/s (cSt) to 700 mm²/s (cSt)
- ◆ Low range tube provides viscosities from 2 mm²/s (cSt) to 140 mm²/s (cSt)
- ◆ Values may also be presented in cP for samples with known density values
- ◆ Follows ASTM D7279 and offers near ASTM D445 precision due to exceptional temperature control (± 0.05 °C)
- ◆ Rapid cycle time of 3 to 5 minutes from sample injection to test result

SIMPLEVIS +

Portable Viscometer with Active Cooling



- ◆ Provides true kinematic viscosity measurement without the need to correlate dynamic viscosity data
- ◆ Cools from 100 °C to 40 °C in ~30 minutes
- ◆ Viscosity range
- ◆ Standard range tube provides viscosities from 10 mm²/s (cSt) to 700 mm²/s (cSt) at 40 °C and 5.5 mm²/s (cSt) to 200 mm²/s (cSt) at 100 °C
- ◆ Low range tube provides viscosities from 2 mm²/s (cSt) to 140 mm²/s (cSt) at 40 °C and 100 °C
- ◆ Follows ASTM D7279 and offers near ASTM D445 precision due to exceptional temperature control (± 0.05 °C)
- ◆ Rapid cycle time of 3 to 5 minutes from sample injection to test result

TESC -2983

Thermoelectric Sample Conditioner System



- ◆ Provides unsurpassed results for ASTM D2983 automated procedure D sample conditioning and testing
- ◆ Allows for unattended operation
- ◆ Eliminates sample disruption during preheating, room temperature stabilization, cooling and final viscosity testing
- ◆ Reduces result variability due to temperature fluctuation and operator intervention

TESC- 5133

Low Temperature Viscometer with Brookfield



- ◆ Provides an automated alternative to ASTM D5133 testing
- ◆ Reduces result variability due to temperature fluctuation and operator intervention
- ◆ Provides superior precision
- ◆ Allows for unattended operation

CCS-2100 / CCS2100LT

Automated Cold-Cranking Simulator



- ◆ Instrument temperature range: -40°C to -5°C ($\pm 0.05^{\circ}\text{C}$)
- ◆ Viscosity range: 900 mPa.s (cP) to 25,000 mPa's (cP)
- ◆ Features a patented, thermoelectrically-cooled rotor / stator for outstanding temperature management
- ◆ Rotor speed is automatically measured by a high resolution digital encoder

CMRV4500

Mini-Rotary Viscometer



- ◆ Meets requirements of ASTM D4684, ASTM D3829, ASTM D6821 and ASTM D6896
- ◆ Meets latest SAE J300 specifications for low-temperature pumpability
- ◆ Reliable and accurate temperature control from -5°C to -40°C
- ◆ High resolution optical encoder for digital detection of yield stress and viscosity
- ◆ Dry gas purge regulator maintains a frost-free environment throughout the precise, microprocessor-controlled cooling cycle



CMRV5000

Mini-Rotary Viscometer



- ◆ Meets requirements of ASTM D4684, ASTM D3829, ASTM D6821 and ASTM D6896
- ◆ Meets latest SAE J300 specifications for low-temperature pumpability
- ◆ Reliable and accurate temperature control from -5°C to -40°C
- ◆ High resolution optical encoder for digital detection of yield stress and viscosity
- ◆ Dry gas purge regulator maintains a frost-free environment throughout the precise, microprocessor-controlled cooling cycle

HTHS Series II

High-Temperature, High-Shear Viscometer



- ◆ Temperature range: 30°C to 150°C ($\pm 0.1^{\circ}\text{C}$)
- ◆ Viscosity range: 2 mPa·s (cP) to 7 mPa·s (cP)*
- ◆ Test pressure: variable from 75 psi to 500 psi
- ◆ Variable test temperature and shear rate supports research applications

TE-BBR SD

Thermoelectric Bending Beam Rheometer



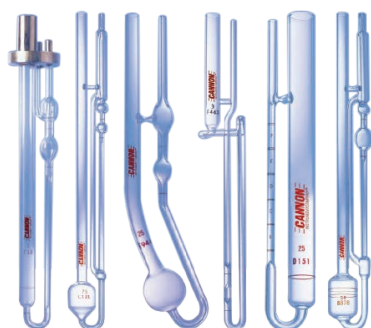
- ◆ Meets or exceeds ASTM, AASHTO and SHRP requirement for low temperature flexural
- ◆ creep testing of asphalt binders including ASTM D6648 and AASHTO T313
- ◆ Instrument sample supports feature specimen support strips $3\text{ mm} \pm 0.30\text{ mm}$ in top radius
- ◆ Temperature range: 0°C to -40°C . Temperature stability: $\pm 0.03^{\circ}\text{C}$ with resolution to $\pm 0.01^{\circ}\text{C}$.
- ◆ Resolves specimen beam deflection to $0.155\text{ }\mu\text{m}$ ($1550\text{ }\text{\AA}$)
- ◆ Resolves force to within 0.147 mN (0.015 g)

DPV Asphalt Digital Paddle Viscometer



- ◆ Meets ASTM D7226, D2397, D977 and AASHTO provisional standard requirements for asphalt emulsions
- ◆ Viscosity range: 30 mPa-s (cP) to 3,000 mPa-s (cP) in 100-fold increments depending on paddle selection
- ◆ Integrated heating measures dynamic viscosity at 40 °C, 50 °C, 80 °C, and 100 °C ± 0.1 °C. Factory calibrated at 50 °C.
- ◆ Digital display presents viscosity values in mPa's (cP), mm²/s (cSt)
- ◆ Suitable for applications including emulsified asphalts, marine fuels, suspensions, slurries, foods, paints and residual oils

Glass Capillary Viscometers



- ◆ Cannon-Fenske Routine / Opaque viscometer
- ◆ Ubbelohde viscometer, Cannon Ubbelohde
- ◆ Zeitfuchs Cross-Arm
- ◆ BS/IP/RF U-Tube viscometers
- ◆ Cannon-Manning Vacuum

Cannon Certified Reference Standards



- ◆ General Purpose Standards
- ◆ Flash Point Standards
- ◆ Check Oils
- ◆ High Viscosity Standards
- ◆ High/ Low Temp Standards
- ◆ Silicone Oils
- ◆ CSS Standards
- ◆ CMRV Standards
- ◆ Zann, Shell, Ford Cup Standards



ERAVAP

Vapor Pressure Testing at its Best



- ◆ Maximum Flexibility
- ◆ Unmatched Precision
- ◆ On-Screen Quality Control
- ◆ Autosampler for Unattended Analysis
- ◆ Unrivaled Speed
- ◆ Solid Durability

ERAJET FAME

In Seconds Spectral Fuel Analysis



- ◆ High-Speed Results
- ◆ Stand-Alone Portability
- ◆ Lab FTIR vs. ERASPEC OIL
- ◆ Field Design for Lab Performance
- ◆ Reliable Precision

ERAFLASH

the safe side of flash point testing



- ◆ Maximum Safety
- ◆ Minimum Maintenance
- ◆ Reliable Precision
- ◆ High-tech For High Performance
- ◆ High Speed
- ◆ Unmatched Range

ERASPEC

In Seconds Spectral Fuel Analysis



- ◆ Detailed FTIR Analysis
- ◆ Compliant Biodiesel Testing
- ◆ Autosampler for Unattended Analysis
- ◆ Optimized Design for Unmatched Precision



ERADENS X

High-precision Density Meter

- ◆ Standard ASTM D4052, D5002, ISO 12185
- ◆ Density Range 0 - 3 g/cm³
- ◆ Temperature Range 0 °C to 100 °C (32 °F to 212 °F)
- ◆ Density Repeatability (SD) 0.000005 g/cm³ (according to ISO 5725)
- ◆ Density Resolution 0.00001 g/cm³
- ◆ Temperature Accuracy 0.02 °C (0.04 °F)
- ◆ Pressure Range 0 -10 bar (145 psi) absolute pressure Measurement
Time 15 sec (after temperature equilibration)
- ◆ Sample Volume 2 mL
- ◆ Oscillating Tube Hastelloy
- ◆ Bubble Detection (patent pending) FillingProof™- automated bubble
- ◆ Detection and bubble quantification
- ◆ Viscosity Correction (patent pending)
- ◆ Full range correction Tables & Functions API, sugar, alcohol, etc, and freely programmable tables
- ◆ Special Features Integrated fully-automated drying pump, built-in ambient pressure sensor Result Database Over 100 000 detailed test reports stored
- ◆ Remote Service Remote service capability via Ethernet



ERASPEC OIL

The Latest Trend in Oil Condition Monitoring



- ◆ Patented rugged FTIR and laser / temperature design for highest precision
- ◆ "Direct Trending" method when no fresh oil can be used during lubricant monitoring
- ◆ "Spectral Subtracting" method for lowest LoD and increase range of oil properties and parameters
- ◆ Easy expandable libraries to tailor the reference matrix to special applications
- ◆ Data evaluation according to latest international standards

ERACHECK

CFC - Free Oil in Water Testing



- ◆ CFC-Free Extraction
- ◆ Cutting-Edge QCL Technology
- ◆ Ease-of-Use in the Field
- ◆ Autosampler for Unattended Analysis
- ◆ Unique Measurement Precision

Distillation Tailor-made

i-Fisher DIST D-2892 CC

Distillation System according to ASTM D2892 (TBP)



- ◆ Fully Computer Controlled Distillation System According to ASTM D2892 (TBP)
- ◆ The automatic fraction collector with 20 receivers includes a built-in internal balance for the determination of the fraction weight,
- ◆ Separate volume follower system is used for discharging the fractions into the final receivers and the determination of the fraction volume as well as for the direct distillation rate control

i-Fisher DIST D-5236 CC

Distillation System according to ASTM D5236 (Potstill)



- ◆ Fully Computer Controlled Distillation System According to ASTM D5236 (TBP)
- ◆ The automatic fraction collector with 12 receivers includes a built-in internal balance, which is used for the simultaneous determination of the fraction weight and for the direct distillation rate control.
- ◆ The vacuum equipment and the control system are designed for highest accuracy, repeatability and reproducibility of data

i-Fisher DIST D-1160 CC

Automatic Vacuum Distillation



- ◆ Fully Computer Controlled Boiling Analysis according to ASTM D1160

FISCHER LABODEST VLE 602

Vapour Liquid Equilibrium



- ◆ Vapour-Liquid-Equilibrium-Determination from vacuum (1 mbar) up to overpressure (4 bar)



**Trace Elemental
Instruments**

Speed and Performance with Minimal Footprint

XPLORER-V NS Vertical combustion analyzer nitrogen sulfur



- ◆ Most Compact Analyzer on the Market
- ◆ Integrated 26 Position Autosampler XLS-26
- ◆ Fast Analysis: 2 – 6 Minutes
- ◆ Xpro-V™ Combustion Tube
- ◆ Ultra-Low Detection Limits: 10 ppb (S), 10 ppb (N)
- ◆ Nitrogen Oxide Correction Technology (NO-CT)
- ◆ Auto-Clean Function
- ◆ Easily Accessible Filters and Permeation Tube
- ◆ Data-Driven Robustness with TEIS Software Counter-Center™
- ◆ Instrument Performance Dashboards
- ◆ Operated through PC or Incorporated Touch Screen

XPLORER-TN/TS Total Nitrogen (TN) and Total Sulfur (TS) analyzer



- ◆ Compact design, smallest footprint in today's market
- ◆ Short start-up time (less than 15 minutes)
- ◆ Fast and precise measurement of solids, liquids, gases and LPG's
- ◆ TEIS software – Easy to use and intuitive user interface, operation software
- ◆ Simultaneous analysis of Nitrogen and Sulfur
- ◆ Fast and easy switching between modules, resulting in high productivity
- ◆ Complies with international standards like: ASTM, ISO, EN and IP
- ◆ Easy upgrades with autosamplers for solids, liquids, gases and LPG's
- ◆ Fully automated creation of calibration lines from a single stock solution with the optional ARCHIE
- ◆ Fast generation of sample list and application methods with TEIS software
- ◆ Low maintenance, optimal combustion and conditioning of gases results in near to zero downtime
- ◆ Ultra-low detection limit, high stability and reliability



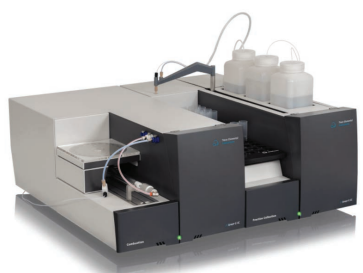
XPLOER TX/TS, AOX (TOX, EOX & POX Analyzer) Total Chloride/ Total Sulfur and Adsorbable Organic Halogens Analyzer



Key Features

- ◆ Compact design
- ◆ Fast generation of sample ques and application methods with TE Instruments Software (TEIS)
- ◆ Short start-up time (less than 15 minutes)
- ◆ Fast and precise measurement of solids and liquid samples
- ◆ Easy to use and intuitive user interface
- ◆ Compact, stackable auto sampler for high sample throughput and low cast analysis
- ◆ Ultra low detection limit, high stability and reliability due to the temperature controlled titration cell
- ◆ Fast and ea sy switching between AOX, TOX, POX, and EOX analysis, resulting in high productivity
- ◆ CEN, DIN, EPA, ISO and NEN compliant

XPREP C-IC Combustion Ion Chromatography



- ◆ **65 position Fraction Collection Unit**
 - Accurate and repeatable absorbent dosing
 - Immediate analysis or storage of combusted samples
 - 65 sample positions, eliminates rinsing between samples
- ◆ **Speciated Halides and Sulfur analysis by any renowned IC**
 - Accurate injection of combusted sample into any renowned IC
 - Small Footprint
 - Half the size compared to existing C-IC configurations
 - Integrated Sampling System – Fraction Collector
 - Fully controls dosing of reagents and absorption of samples
 - Automated Sample Introduction – Combustion Unit
 - Robust sampling systems for all matrices
- ◆ **Oxidative Pyrohydrolytic Combustion of solids, liquids, gas and LPG**
 - Robust furnace
 - Specially developed combustion tube
 - Powerful combustion capacity

Speed and Performance with Minimal Footprint

XPERT TOC/TN_b

Total Organic Carbon and Total bound Nitrogen Analyzer



- ◆ All-in-one footprint: by default included liquids autosampler
- ◆ Valve-less sample introduction eliminates carry over, even of particle-containing samples
- ◆ Switch from high ppm's to low ppb's in a single run
- ◆ ProCAT™ combustion tube ensures complete sample oxidation
- ◆ Smart operation: execute your TOC application with ease
- ◆ TEIS Analytical Software: smooth instrument control and application handling
- ◆ Fully compliant with all relevant international standards and test methods





LABINDIA®

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For more information, please contact : Mr. Jalaj Narang
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