MINIVAP VP VISION VAPOR PRESSURE TESTER
- ASTM D5191, D5188, D6377, D6378, D6897; EN 13016-1+2, IP 394, 409, 481, JIS K2258-2, SHT 0769, GOST 52340;
- Modern, app-like user interface;
- Customizable user templates;
- Portable, shock- and vibration-resistant design;
- Best-in-class Sampling Pro™ valve design;
- Integrated shaker for Crude Oil;
- Highest precision and accuracy;
- US EPA and CARB approved Grabner test method for highest accuracy;
- Pressure range from 0-2000 kPa; Unique 2-D Correction™ (273 Points)
- Complete calibration history and backup;
- Cockpit™ software for remote multiinstrument and multi-location management

MINISCAN IRXPERT PRO
- Intelligent Portable Multi fuel Analyzer for gasoline, diesel, biofuel blends and Jet Fuels
- Combines the advantages of mid-IR and NIR spectroscopy
- Full information on the spectrum of the sample (mid-IR + NIR, 12900 Data Points)
- Double-Interferometer, laser controlled
- 40+ Fuel Parameters analyzed
- Oxygenates acc. to ASTM D5845
- Anomatics, PNA and Benzene (ASTM D6277 + EN 238)
- Biodiesel Content (FAME) according to EN 14078
- Total parameters; Aromatics, Olefins, Oxygen and Saturates
- Predicted: RON, MON, AKI, Cetane Number, Cetane Index
- Predicted Distillation properties
- RVP (Reid Vapor Pressure), DVPE, VOC prediction
- Calculation of Driveability index and Vapor Lock Index
- Density: Built-In Temperature Controlled Density Meter

Also Available as Separate units for Gasoline OR Diesel fuels

ADXPERT MINI DISTILLATION ANALYZER
- Performs exclusively to the new standard ASTM D7344
- Excellent correlation to ASTM D86, D850 and D1078
- ISO 3405 and IP 123 (groups 0 to 4)
- True atmospheric distillation * Dry point detection
- Automatic temp. controlled sample introduction
- Measuring sample volume of only 6 mL
- Disposable metal sample cups for highest safety
- Small and portable design for laboratory and field applications

MINIFLASH TOUCH AUTOMATIC FLASH POINT TESTER
- ASTM D 6450 (one ml) & D 7094 (2 ml), US D.O.T. approved
- Excellent correlation to ASTM D93, D56, ISO 2719 & IP170
- New methods for ENISO 3679 & ENISO 3680 simulation
- Continuously Close cup Flash point method - no open flame
- Intuitive Menu Navigation on Large Color Touch-Screen
- Runs on Microsoft® Windows® software, USB & Ethernet interface
- Unique combustion analysis from 0°C to 400°C with external cooling
- Unlimited number of methods and results
- Built-in Peltier thermoelectric temperature control
- Laboratory and field applications

PARAFUEL™ NIR ANALYZER
- Comprehensive Inline analysis of Diesel, Gasoline, Jet Fuel, Kerosene, Crude Oil, Blending components and Blended Fuels for a wide range of critical properties including Octane, Distillation Points or RVP;
- Process analyzer designed for 24/7 operation;
- Measure up to 20 process points with one analyzer;
- Probes and flow cells for continuous processes;
- Easy integration into existing DCS;
- Fully automated user interface;
- Remote diagnostic capability;
- Remote update capability;
- Enclosures for protection against dust, water and environment;
- Also available as BENCHTOP Analyzer providing the same high quality measurements as the process system
SP-10 AUTOMATIC SMOKE POINT TESTER
- ASTM D 1322, D1655, ISO3014, IP57, DEF STAN 91/91, JIS K 2537 & more
- Digital imaging technology
- Automatic detection & adjustment of flame height with the help of a video camera and an actuator
- Instrument has dedicated software with built in database of results that can be transferred via USB stick
- Ethernet, LIMS & LAN Connectivity; Very compact design
- Test result in less than 10 minutes
- Applications: Aviation / Jet fuels

DR-10 THERMAL OXIDATION STABILITY TESTER
- ASTM D 3241, ISO 6249, IP 323
- Interferometry technique
- Quick, easy and Objective rating
- Automatic measurement of deposit thickness
- Displays 3D Mapping of deposit formed
- Built-in touch screen, USB & Ethernet; Very compact design
- Test result with in 15 minutes
- Applications: Jet fuel, Turbine fuels, Aviation Industry

DT-100 DISPERSANCY TESTER FOR OCM
- Automatic Dispensancy measurement
- Soot content quantification
- Only tester that Automatically & Simultaneously measures Contamination Index & Dispensancy of the lubricant-oil
- On site calibration; Data output by USB Stick & LAN by Ethernet
- Built-in digital (CCD) camera
- Applications: Stationary Diesel Engines, Transportation fleet (Buses, trucks, Locomotives, cars, etc.), Construction Equipment, Marine Engines, etc.

AUTOREID - AUTOMATED REID VAPOR PRESSURE ANALYZER
- ASTM D 323, ASTM D 4953, ISO 3007, IP 69
- Direct REID vapor pressure measurement
- Highest level of test automation; Modern user-friendly interface.
- Two independent measurements positions simultaneously
- Perfectly suited for testing viscous and difficult products
- Full traceability, complete result documenting
- Small footprint, fast warm up, precise measurements
- Applications: Refineries, Pipelines, Oil terminals, Testing & Research Laboratories

CT-10 AUTOMATED CORROSIVENESS TESTER
- ASTM D665, D7548, NACETM0172, IP135, ISO 7120, JISK 2510
- Quick, accurate and objective rating
- Automatic specimen diameter verification
- Compact design, robust construction, installed in minutes
- The results are saved in an internal database and can be printed, transferred to a USB memory stick and/or sent to a LIMS
- Every test is fully documented and traceable

BENCHMARK SERIES CENTRIFUGES
- First oilfield centrifuge with Class I, Division 2 certification.
- State of the art Fully insulated centrifuge is perfect for laboratory settings or refineries using long cone (C) or short cone (D) tube configurations.
- High speed capability (2300 RPM) for experimentation and Better data
- Digital temperature control (Ambient to 200°F) for Better process control for testing heavy crude oil
- Integrated timer Reduces variation in testing
- Internal motor control - Linear acceleration results in more consistent testing
- Specifically designed collars and cushions ensures Less tube breakage at higher G-Forces
70Xi SERIES LABORATORY ANALYZERS
- Pour Point : ASTM D5949, D97, (IP 15 / ISO 3016)
- Cloud Point: ASTM D5773 (IP 446) ASTM D2500 (IP 219 / ISO 3015)
- Freeze Point ASTM D5972 (IP 435) ASTM D2386 (IP 16 / ISO 3013)
- Full-color, 15” high resolution touch screen
- USB and Ethernet connectivity
- Easy-to-use interface
- Optimized for quality control

Models available:
- PSA-70Xi Pour, Cloud & Freeze Point
- FPA-70Xi Freeze Point
- PPA-70Xi Pour & Cloud Point
- GPA-70Xi Single function specialty analyzer for gel, titer, antifreeze, or solid point

JFA-70Xi-PC JET & DIESEL FUEL ANALYZER
- Five Tests In One Analyzer;
- Freeze Point ASTM D5972 - Pour Point ASTM D5949 - Cloud Point ASTM D5773-
- Jet Viscosity ASTM D7945- Jet Density ASTM D4052;
- The JFA-70Xi’s ASTM D7945 viscosity method exceeds D445 with repeatability of <0.20%;
- No external chiller needed;
- 15” LCD Touch screen;
- Storage up to 5000 test runs;
- Automatic flush cycle - no solvent required

WAT-70Xi CRUDE OIL ANALYZER
- for wax appearance temperature/cloud point and wax disappearance temperature
- ASTM D5773 (IP 446) ASTM D2500 (IP 219 / ISO 3015) equivalent
- Wax Appearance Test (WAT) and Wax Disappearance Test (WDT)
- Patented Diffusive Light Scattering (DLS) technology
- Integrated Peltier device cooling system
- 15” high resolution LCD colour touch screen
- Storage up to 5000 test runs

CPA-T30 PORTABLE CLOUD POINT ANALYZER
- for Diesel & Biodiesel Fuels; ASTM D7397
- 3.25” Touch Screen Display;
- Blending support – the on-screen “blends” function calculates approximate volume ratio of two fuels to mix together to obtain a target cloud point;
- Repeatability as low as 0.4 °C, reproducibility as low as 0.5 °C;
- Super fast speed - diesel test results in just 3 - 5 minutes;
- Compact, portable design (1.3kg, 10”x 5.5 x 5”);
- Goes anywhere, lab or field;
- Complete self-contained system

6000 SERIES NITROGEN/SULFUR/CHLORINE ANALYZERS
- SULFUR: ASTM D5453, D6667 and D7183
- CHLORINE: ASTM D4929, D5194, D5808
- Trace level analyser for quick, reliable and accurate data Matrix independent
- Working range: 0.03-5000 mg/kg (liquids), 0.5-5000 mg/kg (solids)
- Easily adaptable to new analyses (from nitrogen to sulfur and/or chlorine)
- Software controlled Boat introduction module for heavy hydrocarbons and solid samples
- Productivity - works around the clock, equipped with a HR 7000 liquid auto sampler directly into the boat module
- Reliability - ensures complete combustion with minimum maintenance

7000 SERIES NITROGEN /SULFUR / CHLORINE ANALYZERS
- Delivers low detection limits when sensitivity matters
- Easily analyzes almost any type of sample
- Working range: 0.03 - 5000 mg/kg
- Delivered with the HR 7000 liquids auto sampler
- Gas and LPG Sampler
PAM V2 AUTO DISTILLATION ANALYZER
- ASTM D86, D1078, D850 and others;
- Precise, reliable and comparable test results;
- High end, solid state hardware;
- Volume Scan—Smart CCD camera detects bottom of meniscus;
- Condenser with Peltier elements - No water circulation;
- Low voltage heater with reflection system: 30% more heat & efficiency;
- Fire extinguisher with advanced fire and nitrogen detection
  Also available Manual operation model

AIRSTAR COLD FILTER PLUG POINT ANALYZER
- "EN 116, IP 309, ASTM D6371, JIS K 2288, EN 16329"PAD user interface;
- Create linear and stepped cooling profiles;
- Specify end-test conditions in program;
- Create and change vacuum profiles;
- Monitor and record sample cooling rate;
- Quick report of anomalous aspiration behavior; extensive calibration routines;

S-FLOW KINEMATIC VISCOMETER
- Complies fully with in ASTM D7279
- Full correlation to ASTM D445.
- Compact, bench-top automatic viscometry systems
- Designed for maximum throughput and ease of use
- Minimum sample quantity and solvent consumption.
- Ideal viscometer for quick and accurate results
- For the analysis of Newtonian fluids - Ideal for used oil analysis to test a wide range of lubricant viscosities.

U-VISC KINEMATIC AUTOMATED VISCOMETER
- Full compliance with ASTM D445 D446,
- Cover 100-fold range, e.g. from 1 to 100 mm²/s.
- Modified Ubbelohde - Easy tube exchange, Easy maintenance
- Very easy to use - Unattended operation - High throughput
- Advanced software
- Single or Dual bath – 1 or 2 tubes per bath
- Preheat 150 °C
- BITUVISC Series for Bitumen applications - compliant with ASTM D2170, D445
- Fully automatic heating, sampling, measurement and cleaning

SINDIE MWDXRF SULFUR ANALYZER
- ASTM D 2622, ASTM D 7039, ISO 20884 methods.
- LOD of 0.4 ppm wt up to 10 wt/% with no dilution
- Plug-in and measure: power is only utility.
- Matrix Free, Wide Range of Samples - Gasoline to Crude.
- No conversion gasses, heating elements, quartz tubes or columns.
- Also available Chlorine, Phosphorous & Silica Analyzers

CLORA MWDXRF CLORINE ANALYZER
- LOD: 0.06 ppm wt. for aromatics
- Dynamic range: Standard: 0.06 ppm wt. up to 3000 ppm wt
- XRF Package: 0.06 ppm wt. up to 4% wt.
- Extremely low maintenance: No gases, columns, heating elements, quartz tubing
- Replaceable air-cooled x-ray tube
- No sample conversion or combustible gasses required
- Robust polyamide window for easy cleaning

HD MAXINE HD XRF MULTI ELEMENT ANALYZER
- Elements: S, Cl, P, K, Ca, V, Mn, Fe, Co, Ni, Cu, Zn, Hg, As, Pb, Se
- Plug and measure no additional utilities required
- Touch Screen user interface
- No Sample dilution, conversion gasses, heating elements, quartz tubes or columns
VACUUM DISTILLATION SYSTEMS
Crude Oil Distillation as per ASTM - D2892, D5236
- PC Controlled with Windows OS for easy operation
- Modular design - easy to exchange the distillation modules
- Fully Automatic & Semi-Automatic models
- Mini & Micro models for small sample sizes
- Vacuum Distillation as per ASTM D1160
- Fully Automatic, Semi Automatic & Manual Models

ZX-10IRZ - PORTABLE NIR OCTANE/CETANE ANALYZER
- Specially designed for rugged conditions with a watertight mil spec case and shock mounted components.
- Ideal for military use, government inspection agencies, service stations and gasoline retailers, blending stations, terminal docks and refineries.
- Lab Accurate Results in less than 30 seconds
- Automatic Fuel Detection
- Stores Data for up to 100 Samples
- Small, Lightweight and Sturdy Reliable, Solid State Design Patented, Proven Technology
- Optional GPS Locator
- Gasoline (Standard), Ethanol Blended Fuels (Standard), Diesel Fuel, Biodiesel Fuel, Leaded Gasoline

MICROSEPAROMETER
- Water Separation Characteristic, Free water and Particulate Testing
- ASTM Standard Test Methods D3948, D7224, D7261 & D4860
- Electro-mechanical instrument used to perform four discrete tests; Water separation characteristics as per ASTM D3948 (Jet), D7224 (Jet) and D7261 (Diesel);
- Detects and numerically rates free water and particulate contamination as per ASTM D4860 (Jet or Diesel);
- Performs each of the four tests above simply by using one of the four “Six Packs” containing the proper coalescer cells.

DIGITAL CONDUCTIVITY METER
- ASTM D 2624
- Continuous standard electrical conductivity range from 0 to 1999 in increments of 1 pS/m
- Large digital, liquid crystal display
- Reliable advanced integrated circuit design technology
- Self check calibration with field adjustment capability
- Powered by 3 readily available alkaline batteries
- Electronics housed in a rugged cast aluminum case coated with solvent resistant paint equipped with a detachable stainless steel probe
- Approved intrinsically safe design for use in hazardous environments by Underwriters Laboratories (UL) U.S., (UL) Canada and LCIE (Europe)

C-2 CONTINUOUS OIL ANALYSIS AND TREATMENT (COAT®) SYSTEM;
- Allows quick and easy sample analysis up to 120 samples per hour; Requires only 5ml of product sample;
- Eliminates sample viscosity restrictions;
- Produces accurate reproducible results;
- Reduces cell wear and maintenance costs;
- Significantly reduces disposal costs;
- Eliminates needle, tube, and cell cleaning between samples;
- Avoids interferences commonly associated with FT-IR oil analyzers
- Pre-configured for JOAP-TSC and ASTM International New Standard Practice D7418-07
- Diesel fuel dilution, Oxidation (ASTM D7414-09), Glycol contamination, Nitration, Lubricant identification and authentication, Sulfate by-products (ASTM D7415-09). Antioxidant depletion,