Guyline (Asia) Ltd.

- Environmental Analysis (Water) -

VWMS - On-Line Real Time Microbial Monitoring - Austria

THE COLIMINDER MEASURES MICROBIOLOGICAL QUALITY OF ANY TYPE OF WATER. IT IS APPLICABLE ACROSS THE ENTIRE WATER CYCLE. System is specially designed for Real Time Monitoring, Early Warning, Process Feedback, and Process Control in water quality analysis.

15 minutes test results for water samples, such as:

- Drinking Water
- Bottled Water
- Process Water
- Surface Water
- Waste Water
- Filter membrane Integrity

E. COLI

ENTERO-COCCUS

TOTAL ACTIVITY

E. COLI SALINE

ENTERO-COCCUS SALINE

TOTAL ACTIVITY MINERAL WATER

Mantech - Auto BOD Analyzer - Canada

A variety of biochemical oxygen demand (BOD) systems to best suit the needs of your laboratory are available. Whether you need manual or automated, big or small, simple or complex. This Automated BOD analysis systems are robust, come with easy to use software, and provide accurate results that stand the test of time. This system creates the ideal BOD solution for your laboratory.

The system's 10-minute BOD estimation via PeCOD allows technicians to quickly estimate the BOD of incoming samples, greatly reducing overall bottle numbers by running only one or two dilutions for each sample while also guaranteeing a valid result. As they get their estimated results, they simply pipette sample volume into the standard BOD bottles according to the required dilution. PeCOD and BOD software packages run simultaneously so results can easily be viewed and used for setting up the BOD runs. Once the bottles are placed, the operator just clicks GO, and the Automated BOD system prepares each sample and performs initial readings. PC-BOD software tracks results and reminds operators when samples are due for final readings.

AquaRead - Portable Water Analyzer - UK

Water Level Sensor

Multi-Parameter Water Analyzer & Probe

- Environmental Analysis (Liquid Sampling) -

GUYLINE (ASIA) LIMITED

Watersam - Water & Liquid Samplers - Germany

Our premium sampling solutions is designed for a wide variety of applications in the water and wastewater sector. All systems are modular, highly adaptable, and equipped as standard with time-, volume-, and event-proportional sampling – ensuring reliable results in every situation. The product range is divided into three key segments:

Stationary samplers are built for long-term use in wastewater treatment plants or industrial plants. With rugged stainless-steel housings, advanced sampling technologies, and intelligent controllers, these systems are designed for continuous, dependable performance. Features like multi-bottle distribution, integrated cooling, and sensor connectivity are available to meet specific process requirements.

Portable samplers are the flexible choice for temporary deployments for remote locations. Lightweight, battery-powered, and easy handling designs offer sampling functions – including time-, volume-, and event-triggered sampling – with options like refrigeration, data logging, and communication interfaces.

Customized solutions are developed to meet unique challenges – such as extreme environments, aggressive media, or complex automation needs. From special housing materials to tailored pump systems and integrated control architecture, system are built to fit customer's task perfectly.

As a trusted specialist in automatic sampling technology, we stand for precision, reliability, and real-world practicality – with solutions that perform wherever they're needed: stationary, mobile, or fully customized.

Mobile Sampler

Mobile Sampler

Stationary Sampler

Sampler with Sensor

Self-emptying Sampler

EX II Interior Sampler

Sampler for River Water Monitoring

Sampler for Scientific Research Ship

Sampler for extreme ambient temperature (-40°C – +55°C)

Sampler for Highly Corrosive Conditions

Sampler for Petroleum Industry

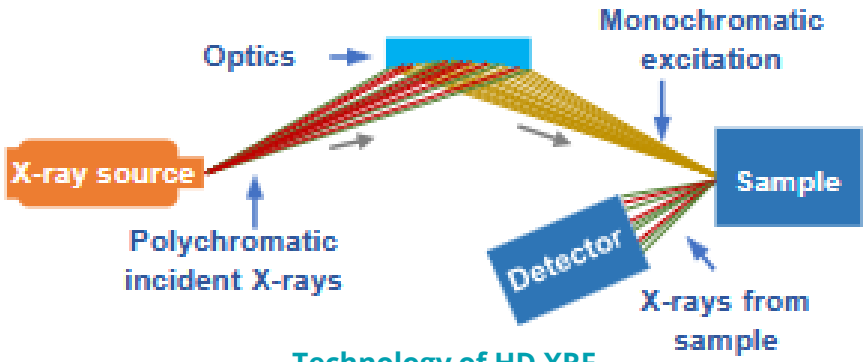
Sampler for Highly Volatile substances

- Environmental Analysis (Soil) -

GUYLINE (ASIA) LIMITED

Z-SPEC - HD XRF Soil Analyzer - USA

If soil samples are contaminated with heavy metals of very low ppb concentrations, you have to use expensive equipment such as ICP-MS. But these are not designed for on-site analysis. Now we have a solution for you!



Technology of HD XRF

HD XRF for Soil

When X-ray is irradiated to a sample, electrons are excited to higher energy level, and then fall back to their ground state and release fluorescence signals. These energy signals are characteristics of a particular sample and the strength of the signals are related to the concentration of these specific elements. Therefore, XRF is both a quantitative and qualitative analyzer.

For heavy metal contamination in soil, we care about sub-ppm level. A special designed irradiation mechanism is needed. This is shown above and is known as the **High Definition XRF (HDXRF)**.

NC Technologies - Automatic Elemental Analyzer for Total Carbon & Nitrogen in Soil - Italy

This is an automatic elemental analysis techniques based on "flash combustion" and chromatographic separation. The combustion gases CO_2 and N_2 are separated in a GC column maintained at a user determine constant temperature. The detection and determination of the concentrations of the various elements is carried out by a thermal conductivity detector (TCD).

- Ability to determine TC, TIC and TOC in solid samples
- High sensitivity with accuracy and precision in all applications
- Detector does not require reference gas
- Powerful software provides low operation and management costs
- Touch-screen display for easy settings
- Consumables status monitoring for optimized catalyst usage
- Electronic / pneumatic / manual samplers are available.
- Performs stable isotope analysis with Mass Spec or other detectors

Elemental Soil Analyzer

$Trace_2O$ - Comprehensive Soil Analysis Solutions - UK

This portable soil analyzer is the perfect tool needed for thorough and precise heavy metals testing soil analysis. Available in both portable versions, this kit is ideal for detecting bioavailable heavy metals in soil using proven digestion technology.

Key Features:

- **Versatile Applications**: Suitable for both field and laboratory settings.
- **Comprehensive Detection**: As (III + V), Cd, Cu, Hg, Pb, and Zn.
- **Innovative Digestion System**: Simulates the release of bioavailable heavy metals from soils.
- **Portable and Durable**: Field kit is lightweight and includes a waterproof case.
- **Complete Lab Solution**: Laboratory kit offers extensive digestion equipment and consumables.

Portable Soil Analyzer

- Environmental Analysis (Ambient Air) -

GUYLINE (ASIA) LIMITED

TSI / Casella - Aerosol Science & Technology - USA

If you are doing **serious** Aerosol Researches, SMPS (Scanning Mobility Particle Sizing System) from TSI is your first choice!

But on the other hand, if you want to apply your high-quality research results to our daily life, Casella's personal air sampler would be the **perfect** tool for you.

Products include:

- Flow Meter, Flow Sensor, and Flow Analyzer
- Noise Dosimeters and Sound Level Meters
- Indoor Air Quality Meters / Instruments
- Flow meters, sensors, and Analyzers
- Aerosol Generators and Dispersers
- Particle Counters and Detectors
- Ventilation Test Instruments
- Aerosol and Dust Monitors
- Respirator Fit Testers
- Aerosol Generators
- Particle Sizers

Personal Air Sampler

Heat Stress Monitor

Environmental Particle Counter

Sound Level Meter

Sub-micron Aerosol Generator

Respirator Fit Tester

Aerodynamic Particle Sizer

Aerosol Monitor

Air Capture Hood

SMPS System

Fast Mobility Particle Sizer

Aerosol Generators & Dispersers

Digital Flow Meter

IAQ & Velocity Meters

- Environmental Analysis (Ambient Air) -

GUYLINE (ASIA) LIMITED

DMT – Ambient Air, Climate & Weather Research – USA

The Mini Micro Pulse LiDAR (Mini Micro Pulse LiDAR) is a small form factor, low-power, elastic backscatter **LIDAR**. This ground-based instrument determines the altitude of clouds and to detect atmospheric aerosols. Pulses of energy are transmitted into the atmosphere; the energy scattered back to the transceiver is collected and measured as a time-resolved signal, thereby detecting clouds and aerosols in real time.

Cloud Condensation Nuclei Counter (CCN Counter) measures the count and size of individual aerosol particles that can form into cloud droplets. Its fast response time allows use in either airborne or ground-based stations. The CCN is available in single-column (CCN-100) or dual-column (CCN-200) versions. The CCN-100 is used for measurements of a single supersaturation, whereas the CCN-200 enables the user to measure two supersaturations simultaneously – a critical capability for droplet activation kinetics of aerosols and split sample experiments comparing the response of aerosols.

Mini Micro Pulse LiDAR

CCN Counter

GFAS-DPOL (Ground-based Fog & Aerosol Spectrometer with Polarization Detection) combines a high-sensitivity forward & back scatter intensity particle size measurement with a polarization detection measurement and a wind direction and wind-speed measurement.

GFAS-DPOL

SP2-XR (Single Particle Soot Photometer – Extended Range) delivers accurate, real-time, size-resolved single particle measurements of black carbon mass and size with direct output suitable for monitoring applications.

SP2-XR

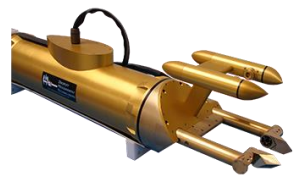
PAX (Photoacoustic Extinctiometer) is a sensitive, high-resolution, fast-response instrument for measuring optical aerosol properties relevant for monitoring climate effects and atmospheric load.

PAX

UHSAS-G (Ultra-High Sensitivity Aerosol Spectrometer) is an optical-scattering, laser-based aerosol particle spectrometer for sizing particles in the 0.06 µm to 1 µm range.

UHSAS-G

CCP (Cloud Combination Probe) is multipurpose particle spectrometer provides aerosol particle and cloud hydrometeor size distributions from 2 µm to 50 µm, precipitation size distributions from 25 µm to 1550 µm, and liquid water content from 0.05 g/m^3 to 3 g/m^3.



CCP

CDP-2 (Cloud Droplet Probe) measures particles in the 2 µm to 50 µm range with the compact cloud particle spectrometer.

CDP-2

PCASP-100X (Passive Cavity Aerosol Spectrometer Probe) Is an airborne optical spectrometer that measures aerosol particles in the 0.1 µm to 3 µm range.

PCASP-100X

Wideband Integrated Bioaerosol Sensor (WIBS-5) is used to detect and classify particles as biological or non-biological origin in order to identify biological particles that can be detrimental to human health.

Bioaerosol Sensor

- Environmental Analysis (Ambient Air) -

GUYLINE (ASIA) LIMITED

TSI / MSP - Aerosol Science & Technology - USA

MSP's cascade impactors provide precise size-segregated particle collection for aerodynamic diameters ranging from 10 nm to 10 µm. Available in configurations with 3 to 13 stages and flow rates of 2, 10, 30, or 100 L/min, these impactors enable detailed particle size distribution analysis. The number of stages directly influences size resolution, ensuring high-quality data for quantitative analysis.

Dedicated Cascade Impactors

The MOUDI™ (Micro Orifice Uniform Deposit Impactor) II impactors feature rotating stages, enhancing sample uniformity by minimizing particle bounce and re-entrainment. This innovative design maximizes particle mass collection and improves the accuracy of subsequent analysis, making them ideal for critical research and industrial applications.

Cantium Scientific - Bio-Aerosol Sampler – UK

Depending on model variant, the MicroBio MB1 bioaerosol sampler is capable of using both a 90 mm Petri dish (400 and 220 hole head versions) or 55 mm contact plates (only 220 hole head version). Using standard readily available consumables at low cost with a variety of media makes the MicroBio MB1 an economical instrument to use. The MicroBio MB1 bioaerosol sampler is an invaluable device for use in food production and packaging, dairy, bakeries, indoor air quality, HVAC and education.

MicroBio MB1 (L) & MB2 (R) Bioaerosol Sampler

Bioaerosol samplers are vital equipment for use in bioaerosol research, clean rooms, pharmaceutical validation and throughout healthcare wherever air hygiene is vital. Designed to meet the requirements of ISO14698 and ISO17141, the MicroBio MB2 Bioaerosol Sampler has a host of features making it ideal for use in such applications.

Validation Kit

Validation Kit is developed specifically for use with the 100 litre per minute MicroBio MB1 and MB2 bioaerosol samplers, this validation kit is easy and simpler to use. The kit requires calibration only every 5 years and is manufactured to exacting dimensions, referenced to national standards. This will keep your operating costs to a minimum.

NC Technologies - Ambient CO_2 Sampler - Italy

Allows any operator to collect atmospheric pure CO_2 on-site. This unit is compact, lightweight, rechargeable and can be connected to the 8070 Air CO_2 for stable and radiogenic carbon isotope (IRMS) analysis.

- High flow pump for rapid sampling, with Fast Rechargeable battery
- Fast & easy sample tube change
- Easy trap replacement
- Portable: 14 x16 x 40 cm, 3 kg; ready to use

Air CO_2 Analyzer

- Environmental Analysis (Ambient Air) -

GUYLINE (ASIA) LIMITED

Aero Laser - HCHO, NOx & CO Analyzers – Germany

AL4021 HCHO Analyzer - Precision in Every Molecule -

AL4021 HCHO Analyzer emerges as a vital tool to meet the rigorous demands of modern industries, health and safety and environmental monitoring. This advanced analyzer combines unparalleled sensitivity and precision with ease of use, offering an unmatched solution for monitoring formaldehyde emissions and concentrations in both gases and liquids.

AL4021 is engineered with cutting-edge technology to offer the highest sensitivity and resolution in the detection of formaldehyde. It is suitable for both liquid and gas samples. With its calibration feature, users are guaranteed consistent and reliable results, essential for critical quality and emission control.

AL5005 ultra-fast CO Analyzer - Precision at Speed -

This ultra-fast CO analyzer represents a significant leap forward in air quality monitoring technology. Blending with high precision, rapid measurement capabilities and user-friendly design, it sets a new benchmark for CO analysis in diverse climate research and environmental contexts.

AL4021 HCHO Analyzers

Thanks to high precision electronics, the AL5005 achieves a real-time measuring interval of 100.0 ms. This makes it the perfect tool for airborne measurements, where precise measuring intervals results in a high spatial resolution of the data.
Because of this, AL5005 has been used as reference CO analyzer by many universities and international research institutions such as GAW, NOAA and EPA. Large amount of data were being generated in numerous international research campaigns.

AL5005 CO Analyzers

MiCRO NOx - Revolutionizing Mobile NOx Analysis -

Ultralight design makes it the ideal mobile NOx analyzer. Its high capacity for continuous, real-time detailed tracking of NOx is the key feature. Under automatic operation, with a built-in GPS module, and meteorological sensors, the MiCRO NOx provides comprehensive data on the go, capturing the true picture of air quality in real-time and space. In environmental and climate research, it supports in-depth studies on the interactions between pollutants and climate variables. For urban air quality monitoring, it provides urban planners and public health agency the data to create healthier, more sustainable urban environments.

Micro NOx Analyzers

mPower - VOC & Multi-Gas Detector - USA

- Over 30 interchangeable sensor options, measures VOC, combustibles, CO_2 and many others.
- Up to 6 gas measurements using combination sensors.
- Real-time gas concentration readings with alarm status.
- Both handheld and fixed installation are available.

Multi-Parameter Gas Detector; Fixed Gas Monitor; Handheld VOC Monitor

Gastec - Gas Detection Tubes - Japan

Provides gases/vapours concentrations of air, water, and soil directly by way of a calibrated scale printed on the tubes. Tubes are now available for more than 600 different applications.

Swema – Thermo Environment - Sweden

Ergonomics of the thermal environment – Analytical determination and interpretation of satisfaction of thermal environment using calculation of the PMV and PPD indices and local thermal comfort criteria.

- Environmental Analysis (Ambient Air) -

GUYLINE (ASIA) LIMITED

Arizona - Toxic Gas Analyzer (H_2S & Hg) - USA

Gold Film H_2S Vapor Analyzer

The newest H_2S analyzer from Arizona Instrument LLC is the Jerome® J605 Hydrogen Sulfide Analyzer. The Jerome® J605 can read as low as 3ppb with an incredible resolution of 20ppt.

- **Ultra Sensitive**: Detect hydrogen sulfide in air at levels as low as 3ppb.
- **Proven**: Gold film sensing technology has been validated in the laboratory and in the field for more than 35 years.
- **Rugged**: Its sturdy metal housing makes the J605 tough enough for nearly any environment.
- **Reliable**: With 18 hours of battery life per charge, the J605 is always ready when you need it.
- **Smart**: Features onboard data logging for up to 20,000 measurements, USB data transfer, and SCADA interface capabilities through 4-20ma output.

J605 H_2S Analyzer

Gold Film Hg Vapor Analyzer

The Jerome® J405 portable mercury vapor monitor is redefining the portable mercury vapor analyzer market. Significant performance enhancements and modern communications capabilities have been combined to create a new option for mercury spill detection and clean-up analysis. The J405 utilizes the industry-proven, inherently stable and reliable gold film sensor technology and simple, one-button operation. The ergonomically-designed handle, lighter exterior case and significantly lower detection capabilities (0.5 µg/m3) make it a portable, easy to use, low-level mercury detection instrument.

- **Sensitive**: With a detection limit of 0.5 µg/m^3, the J405 is ideal for both industrial and residential cleanup settings.
- **Proven**: Jerome® instruments have been recognized as the gold standard for mercury detection for over 35 years.
- **Rugged**: Its sturdy metal housing makes the J405 tough enough for nearly any environment.
- **Reliable**: With 24 hours of battery life per charge, the J405 is always ready when you need it.
- **Smart**: Features onboard data logging for up to 20,000 measurements, USB data transfer, and SCADA interface capabilities through 4-20ma output.

J405 Hg Analyzers

Fluorescence Spectroscopy Hg Vapor Analyzer

This J505 is a portable fluorescence spectroscopy Hg vapor analyzer, which allows the detection cell to be simpler, smaller, lighter weight and more durable than competing spectroscopy instruments. The highly efficient optical cell requires less flow to purge the system, allowing the J505 to run at a lower flow rate minimizing sample dilution as found in competing spectroscopy instruments.

- **Lightweight**: Weighs only 3 kg, less than half that of some atomic absorption mercury detectors.
- **No downtime**: Because the J505 uses atomic fluorescence to detect mercury, no regeneration time is needed.
- **Sensitive**: Meets and exceeds EPA standards for industrial and residential remediation actions.
- **Few Interferences**: With 18 hours of battery life per charge, the J505 is always ready when you need it.
- **Proven**: The Jerome J505 is in active use by the EPA, Los Angeles County, the City of New York and many others.

J505 Hg Analyzers

Guyline (Asia) Ltd.

Rm 1611, Eastern Harbour Centre, 28 Hoi Chak Street, Quarry Bay, Hong Kong

Tel: (852) 2856 0605 Fax: (852) 2811 3379 E-mail: admin@guyline-asia.com Website: www.guyline-asia.com

香港 . 北京 . 上海 . 广州 . 深圳 . 成都 . 武汉 . 长沙 . 长春