

Multiple Gas Analyser 3000 Series

PERSONAL GAS MONITOR



LEAK DETECTOR



DETECTOR



PORTABLE GAS MONITOR



TABLE TOP GAS ANALYZER

SCANNERS (RACK | PANEL)



HANDHELD GAS ANALYZER



RACK MOUNTING



COMBUSTIBLE GAS LEAK DETECTOR



Toxic I O2 Combustible Multi Gas

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **SMART GAS MONITOR :- SGM-3100**

- Intelligent Unit
- Compact
- Pocket Size
- Single Gas
- Toxic Alert Meter
- Light weight
- Sensor Technology : Electrochemical
- Detectable Gases: Toxic gases, Oxygen



▶▶ **NDIR BASED SF₆ LEAK DETECTOR :- NBL-3104**

- Free from Induced Voltage effects
- Long life rechargeable batteries
- Continuous, stable alphanumeric readout
- Data logging and Rs 232 output capability
- Automatic operation, moisture I vapour immunity
- Self diagnostic check, proven sensor technology



▶▶ **PERSONAL GAS MONITOR :- PGM-3101**

- Compact
- Light Weight
- Intelligent Unit
- Application Specific Sensors
- Sensitive to ppb I ppm or %age
- Output : RS-232, Data-logger
- Sensor Technology : All gases sensors
- Detectable gases : Sensor specific



▶▶ **PORTABLE GAS MONITOR :- PGM-3150**

- Rugged
- Single Gas
- Easy to use
- Long sensor Life
- Detects leaks on any Angular position of Instrument
- Sensor technology : EC, TCD
- Detectable gases : O₂, H₂, Flammable gases, vapor



▶▶ **MULTI GAS MONITOR :- MGM-3102**

- Upto 5 gases, Auto Operation
- Smart Instrument
- Self Diagnostic Check
- Diffusion or Suction Mode
- Contineous Measurement
- Optional Dual Sense Technology
- Output : RS -232, Data-logger
- Sensor technology : All gases sensors
- Detectable gases : Sensor specific including VOC



▶▶ **COMBUSTIBLE GAS LEAK DETECTOR**

- Single gas
- Pocket size, light weight
- Calibrated in PPM or LEL
- Digital indicator for leak intensity •• ~ ••
- Detectable gases : Flammable gases, CNG, LPG, LNG, CH₄, H₂
- Sensor technology : Semiconductor



▶▶ **GAS DETECTORS Series**

- Handy and light weight
- Instant direct simultaneous display reading
- LCD or LED Digital display with battery indication
- CE marking
- 3.7V charger
- Inbuilt alarm light & buzzer
- Size: 105 * 54 * 32 mm, 450 gm
- Ingress Protection Enclosure ABS



Toxic I 02



Combustible



Multi Gas

▶▶ **SF₆ LEAK DETECTOR**

- Battery Operated
- Low Recovery Time
- Temperature compensated
- Detection of leaks up to 5g l year
- Auto switching over to levels of Sensitivity
- Sensor technology : Ion vacuum
- Detectable gases : SF₆, Halogenated
- Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
- ATL Systems Pvt. Ltd.
- refrigerants



▶▶ **QUAD GAS DETECTOR :- QGD-3105**

- Rugged & Reliable
- IP 67 Housing
- Longlife Sensor
- Li-ion Battery (8 hours backup)
- Sensor Combinations :
 - 1 Combustible and 3 Toxic/Oxygen
 - 4 Toxic gas sensors



▶▶ **SINGLE I MULTI GAS ALARM SYSTEM (Sensor head+ Receiver) :- SIM-3200**

- Modular
- LED & Audio alarm facility
- Maintenance -free, fail-safe operation
- Weather-proof I Explosion-proof detectors

- Minimum one, max. eight sensor heads
- Output : Relay
- Sensor technology : SS and Catalytic pellister
- Detectable Gases: Combustible, NH3



▶▶ **FIELD-MOUNTED MONITOR :- FMM-3250**

- Flexible
- Fail-safe operation
- Integral or remote mounting sensor
- Sampling type : Diffusion or suction
- Interface with standard transmitters
- Output : 4-20 mA, RS-232/485
- Sensor technology : All gases sensors
- Detectable gases : Sensor specific



▶▶ **WIRED I FIELD TRANSMITTERS :- WIFT-3250**

- Universal transmitter
- Compact electronic module
- 2 wire or 3 wire technology
- Suitable in hazardous areas
- 8 x 8 ft sensor coverage area
- Output : 4-20 mA, RS-232/485, Relay I MODBUS
- Sensor technology : All sensors
- Detectable gases : Sensor specific



▶▶ **SMART TRANSMITTERS :- ST-3260**

- Smart type
- 2 or 3 wire technology
- Non-intrusive calibration
- Suitable in hazardous areas
- Standard 4-20 mA transmission
- Output : 4-20 mA, RS-232/485, Relay I MODBUS
- Sensor technology : All sensors
- Detectable gases : Sensor specific



▶▶ **UNIVERSAL RECEIVER CONTROL SYSTEM :- URC-3200**

- Multi-point I Multi gas receiver controller system
- Rack mounting, Plug in design, Zone alarm relays
- Output : 4-20 mA, Relay, Universal compatible
- Up to 8 channels per rack
- Sensor technology : All from gas transmitters
- Detectable gases : All from transmitters



▶▶ **SCANNERS (RACK I PANEL) :- SRI-3250**

- Receiver-scanner
- Multi-gas configuration
- Self integrity check
- Simultaneous display
- Output : common relay, RS-232/485
- Up to 32 transmitter inputs
- IP 65 Housing
- Low and High Alarm Indication
- Selectable 0.1 /1 ° resolution
- Graphic I Alpha numeric display
- Sensor tec ATLogy : All from transmitters
- Detectable gases : All from transmitters



▶▶ **RECEIVER CONTROLLER :- RC-3251**

- Alarm relays
- Wall mount, field mount
- Dust particulate Controller system
- Output : 4-20 mA, RS-232/485
- Detectable parameter : Dust
- Low capital & maintenance costs
- High sensitivity
- Can be calibrated to show emission levels in mg/m3
- Adjustable range from 1 - 1,000 mg/m3
- Minimum detection limit less than 1 mg/m3



▶▶ **UNIVERSAL RECEIVER CONTROLLER :- URC-3300**

- Alarm relays
- Wall mount, field mount
- Graphic LCD display with TFT touch screen
- MODBUS RTU protocol ethernet
- Internal datalogger
- Programmable analog output
- Expandable range of sensor
- IP 65
- ZIGBEE data transfer
- Output : 4-20 mA, RS-485



▶▶ **WIRELESS TRANSMITTER :- WT-3251**

- Cable free installation
- Ease of deployment
- Reduce maintenance
- Secure and reliable communication
- Range up to 300 meter line of sight
- Output : 4-20 mA, Relay, RS-232/485



- Sensor technology : EC, IR, PIO, SS
- Detectable gases : Sensor specific

▶▶ **REPEATER :- 3251**

- Ease of deployment
- Reduce maintenance
- Cable free installation
- Secure and reliable communication
- Range expandable beyond line of sight



▶▶ **WIRELESS RECEIVER :- WR-3253**

- Wall mounted
- Ease of deployment
- Reduce maintenance
- 16 Channels Receiver I Controller
- Expandable up to 32 channels
- Secure and reliable communication
- Output : Alarm relays, RS-232/485, 4-20 mA
- Sensor technology : ZIGBEE



▶▶ **HANDHELD GAS ANALYZER :- HGA-3100**

- Gas analyzer up to 3 sensors
- Sampling probe temp up to 300 °C
- Calculated parameters - CO₂ :
- Excess Air, Efficiency, Difficiency, Temperature, Lambda
- Rugged I convenient I economical
- Output : RS-232
- Detectable gases : All gases (Sensor specific)
- Sensor technology: EC, TCD, Catalytic pellister, IR



▶▶ **ALCOHOL BREATH ANALYZER :- ABA-3101**

- Handheld alcohol breath analyzer
- One button operation
- Low battery indicator
- Ultra bright LED display
- Long lasting sensor
- Output : Alcohol concentration reading
- Sensor technology : Semi-conductor oxide alcohol
- Detectable parameter : BrAC



▶▶ **PORTABLE BIOGAS ANALYZER :- PBA-3102**

- Dual sense
- Smart instrument
- Diffusion or suction
- Auto-operation
- Continuous measurement



- Self diagnostic check
- Output : RS-232
- Detectable gases : CH₄, CO₂, H₂S, & O₂
- Sensor technology: EC, IR, TCD

▶▶ **TABLE TOP GAS ANALYZER :- TTG-3150**

- Selectable gas
- Rugged, portable, lightweight
- Low downtime, maintenance free
- Optimum efficiency, No installation required
- output : RS-232
- Detectable gases : All gas
- Sensor technology : All sensors (application specific)



▶▶ **PORTABLE GAS ANALYZER :- PGA-3151**

- Up to 6 sensors
- Sampling probe temp up to 600°C
- Convenient & Economical
- Calculated Parameters - CO₂,
- Excess Air, Efficiency, Difficiency, Temperature, Lambda
- Output : RS-232
- Detectable gases: All gases (sensor specific)
- Sensor technology: EC, TCD, Catalytic pellister, IR



▶▶ **MULTI GAS ANALYZER :- MGA-3152**

- Upto 8 sensors
- Sampling probe temperature up to 600°C
- Calculated parameters - CO₂, Excess Air, Efficiency, Deficiency, Temp, Lambda, etc.
- Output : RS - 232
- Sensor technology: EC, TCD, Catalytic pellister,
- IR, PIO, IC (Capacitive)
- Detectable gases : All gases (Sensor specific)



▶▶ **GAS PURITY ANALYZER :- GPA-3154**

- Fast responsive
- Simplicity of operation
- Rugged construction
- Range to suit customers specifications
- Detectable gases : organic gases, vapors & H₂
- Sensor technology : Catalytic combustion, TCD



▶▶ **MULTI-GAS ANALYZER RACK I PANEL MOUNT MODEL :- RPM-3200**

- Fast responsive
- Simplicity of operation

- On-line measurement
- PC interface & Data-logger
- Output : 4-20 mA, RS-232 I 485, Individual Relay
- Sensor Technology: All gases sensors
- Detectable Gases : Sensor specific



▶▶ **TABLE TOP GAS ANALYZER :- TTG-3150**

- Dual-sense EC Technology for same parameters (One samples, other purges)
- Integrated system for gas analysis, Remote sampling
- Easy installation & maintenance
- Output : 4-20 mA, RS-232 I 485,
- Individual relays
- All gases sensors
- Detectable gases : Sensor specific



▶▶ **BIOGAS ANALYZER :- BA-3200**

- Process gas analyzer
- Versatile and multi-functional
- On-line measurement
- PC interface and data-logger
- Output: 4-20 mA, RS-232 I 485, Individual relays
- Sensor technology : EC, TCD, IR
- Detectable gases: CH₄, CO₂, H₂S, O₂



▶▶ **MOISTURE METER :- MM-3101**

- Direct measurement of moisture in substances
- Maintenance free probe
- Highly sensitive
- Output : RS-232, Datalogging
- Sensor technology : Thin film Polymer
- Detectable parameter : Humidity



▶▶ **DEW POINT METER :- DPM-3102**

- Handy, light weight
- Instant reading
- Range available from -80 to +30°C and -60 to +30°C
- Inbuilt thin film water vapor sensor
- Output : RS-232 & Datalogging
- Sensor Technology : Thin film Polymer
- Detectable parameter : Moisture, Dew point, Temperature, RH



▶▶ **ABSOLUTE MOISTURE ANALYZER :- AMA-3152**

- Accurate and compatible with all gases
- Highly sensitive
- Regeneratable sensor & rugged
- Output : RS-232, Datalogging
- Sensor technology : Thin film Polymer
- Detectable gases : Absolute moisture in air & gases including corrosive gases



▶▶ **DEW POINT ANALYZER :- DPA-3150**

- Reliable, Accurate, Stable & long life Shaw Sensor
- Auto calibration
- Dew Point (°C) | Moisture (PPM)
- Output : Datalogging | RS 232
- Sensor technology : Shaw
- Detectable gases : Moisture & Dew point in gas | Air



▶▶ **DEW POINT ANALYZER :- DPA-3200**

- Reliable, Accurate
- Auto Calibration
- Stable & long life Shaw Sensor
- Dew Point (°C) | Moisture (PPM)
- Output : 4-20 mA, Potential Free Contacts
- Sensor Technology : Shaw
- Detectable parameter : Moisture & Dew Point in Air | Gas



▶▶ **ABSOLUTE MOISTURE ANALYZER :- AMA-3201**

- Rugged
- Moisture analyzer
- Accurate and compatible with most gases | vapors
- Highly sensitive regeneratable sensor
- Output : 4-20 mA, Relay, RS-232/485
- Sensor Technology : Thin film Polymer
- Detectable parameter : Absolute moisture in air and gases (including corrosive gases)



▶▶ **DEW POINT | MOISTURE ANALYZER :- DPIM-3250**

- Highly sensitive
- Instant reading
- Zero | span calibration
- Capacitive sensor technology
- Output : 4-20 mA, Relay, RS-232/485
- Sensor technology : Thin film Polymer
- Range available: -80°C to +30°C and -60°C to +30°C
- Detectable parameters : Dew point, Temperature, RH



▶▶ **DEW POINT TRANSMITTER :- DPT-3251**

- Highly sensitive
- Compatible for process application
- Sturdy and compact stainless steel housing
- MODBUS RTU and 4-20 mA output
- Capacitive sensor technology
- Auto calibration



▶▶ **FIELD MOUNTED TRANSMITTER :- FMT-3252**

- Micro-controller based
- 4-20mA DC, output as standard
- RS-232 I RS-485 MODBUS output optional
- Single point Calibration
- Alphanumeric LCD Display



▶▶ **DUSTGUARD PARTICULATE MONITOR :- DPM-3250**

- Real time in-situ monitoring in stack
- Highly sensitive, one point access
- Detects particulates as small as 0.5 μm
- No moving part
- Detects particulates from 1 to 1000 mg/m³
- Output : 4-20 mA Analog for transmitter, Relay + 4-20 mA + RS-232 for receiver controller
- Sensor technology : Tribe-electric
- Detectable parameter : SPM (Suspended) Dust



▶▶ **BROKEN FILTER BAG DETECTOR :- BFB-3251**

- Fixed - proven Tribe-electric technology
- Direct sensing method
- Damping system to prevent false alarm
- Adjustable sensitivity
- Robust, reliable and easy installation
- Wide range of duct sizes
- Output : Relay
- Sensor technology : Tribe-electric
- Detectable parameter : Particle flow I Filter status



▶▶ **PARTICULATE MONITOR (DOUBLE PASS)**

- n-situ measurement
- Innovative Dynamic Detection Principle (DDP)
- Measurement unit : mg/m³
- Selectable range:
- Short Path length version -
- (0.5 - 5 meter flange to flange separation) and



Long Path length version - (3 - 20 meter for Single pass, 2.5 - 12 meter for Double pass)

- Output : Relay, RS-232/485, MODBUS, 4-20 mA
- Sensor technology : Light transmission
- Detectable parameter : Opacity

▶▶ **PARTICULATE MONITOR (SINGLE PASS)**

- Optical Transmission
- Selectable Range SP (0.5 - 5 meters) and LP (3 -20 meters)
- Output : Relay, 4-20 mA Analog, RS - 485
- Sensor technology : Optical
- Detectable parameter : Opticity I PM



▶▶ **PARTICULATE MONITOR (DOUBLE PASS) With AUTO-CALIBRATION :- PMA-3460**

- Optical transmission
- Selectable range:
- Short Path length version - (0.5 - 5 meter flange to flange separation) and
- Long Path length version - (3 - 20 meter for Single pass, 2.5 -12 meter for Double pass)
- Output : Relay, 4-20 mA, RS-232/485, MODBUS
- Sensor technology : Light transmission
- Detectable parameter : Opacity



▶▶ **PERSONAL AIR SAMPLER Portable I Hand-held Model :- PAS-3101**

- Air sampling with time record
- Adjustable flow setting
- Auto control flow
- Resettable time
- Time-lapse indicator
- Detectable parameter : Air sample
- Sensor Technology : Pump



▶▶ **AIRBORNE PARTICULATE MONITOR Portable I Hand-held-APM**

- Accurate and reliable
- Continuous automatic measurement
- Real time monitoring & Data acquisition
- Output : Digital USB
- Detectable parameters: PM2.s, PM10
- Sensor technology : LASER Light scattering



▶▶ **AIR QUALITY MONITOR Portable I Hand-held :- AQM-3101**

- Compact design
- Large Internal Memory
- Li-ion Rechargeable Battery
- Automatic operation
- Self diagnostic check
- Accommodate upto four sensors



▶▶ **INDOOR AIR QUALITY MONITOR Portable I Hand-held :- IAQ-3102**

- Simple 5 buttons operation
- User settable alarms and ranges
- Display upto 5 parameters - with Date and Time
- Real-time Indoor Air Quality Monitoring with data transfer



▶▶ **AIR QUALITY STATION Portable I Table-top :- AQS-3150**

- Temperature or Humidity sensor
- Detects PM2.5, PM10 and all gaseous pollutants
- Multiple gas measurement, Real-time data acquisition
- Pole or wall installation, Remote site operation
- Output : 4-20 mA, RS-485, Relay, Datalogging
- Sensor technology: EC & IR for gases, Laser for PM
- Detectable gases : O₃, N₂, NO_x, CO, CO₂, SO₂, VOC PM2.5, PM10



▶▶ **AIR QUALITY STATION Fixed I Field I Panel Mount I Station :- AQS-3200**

- Multi-gas measurement
- Multi-point factory calibration
- Zero and Span calibration user facility
- Temperature and Humidity sensor
- Output : 4-20 mA, Relay, RS-485, Datalogging
- Sensor technology: EC & IR for gases, Laser for PM
- Detectable gases : O₃, N₂, NO_x, CO, CO₂, SO₂, voc, PM2.5, PM10



▶▶ **ULTRASONIC AIR I GAS LEAK DETECTOR :- UAGD-3100**

- Low-cost, light industrial & laboratory application
- Frequency range from 40KHz
- Inbuilt heterodyne sensor
- Headphone with optional spectrum analysis software
- Sensor Technology : Heterodyne
- Detectable parameters: 20 KHz to 100 KHz



▶▶ **ULTRASONIC AIR GAS LEAK DETECTOR :- UAG-3101**

- Economically priced, Extremely sensitive
- Fixed band for standard industrial applications
- Headphone with optional spectrum analysis software
- With light background noise
- Tuned for frequency range of 40 KHz
- Sensor technology : Heterodyne
- Detectable gases : 20 KHz to 100 KHz



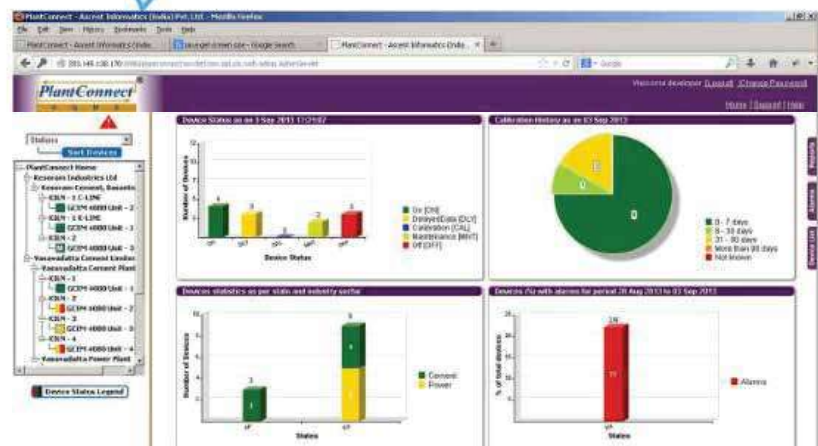
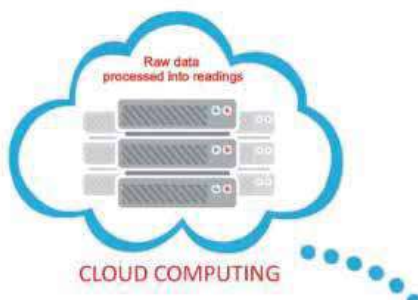
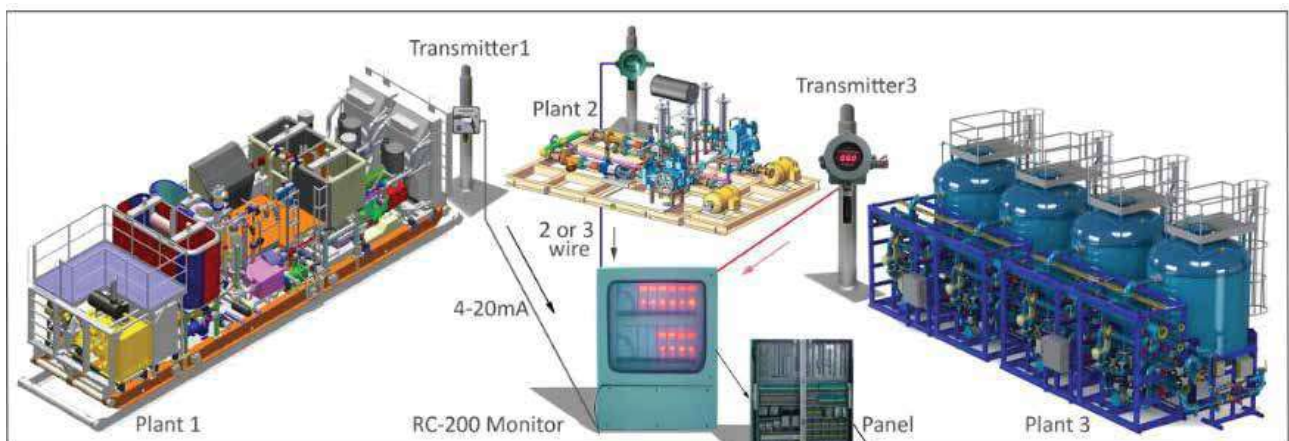
▶▶ **ULTRASONIC AIR I GAS LEAK DETECTOR :- UAG-3102**

- Dual frequency band for critical industrial applications
- Tuned at 30 KHz and 40 KHz for better pick-ups of
- Leak detection
- Headphone with optional spectrum analysis software
- Detectable parameter: Frequency from 20-100 KHz
- Sensor Technology : Heterodyne



▶▶ **ULTRASONIC AIR I GAS LEAK SIMULATOR I GENERATOR :- UAGS-3100**

- Ultrasonic sound generator
- Handy and light weight
- LED indication display
- Tuned to produce frequency of 40 KHz
- Sensor technology : Crystal oscillator
- Parameters : 40 KHz



▶▶ DATA ACQUISITION SOFTWARE DAS

- Stack and ambient air monitoring within power plants,
- Steel plants, cement plants, etc.
- Nationwide network for stack and ambient air monitoring
- City wide pollution monitoring
- Indoor air quality monitoring
- Interface with standard transmitters

▶▶ UV FLAME DETECTOR :- UVFD-3250

- Detects flames by sensing the UV Radiation
- Fast, Reliable, Respond to virtually any fire
- Output: 0-20 mA, Relay Output
- MODBUS (optional)
- Self diagnosis including sensor check



▶▶ IR FLAME DETECTOR :- IRFD3250

- Monitor the heat radiation generated by fire
- Range covers the resonance frequency of CO₂
- Output: 0-20 mA, Relay Output
- MODBUS (optional)
- Self diagnosis including sensor check



▶▶ UV-IR FLAME DETECTOR :- UIFD-3250

- Sensitive to UV and IR radiation emitted by a flame
- Suited for both indoor and outdoor use
- Output: 0-20 mA, Relay Output
- MODBUS (optional)
- Self diagnosis including sensor check



▶▶ ULTRAVIOLET INFRARED TEST LAMP :- UITL-3205

- Suitable to test ultraviolet / Infrared Flame detectors
- Suitable for use in Hazardous areas
- Generate IR & UV radiation to verify response of the flame detection system
- Output: UV/ IR radiation



▶▶ BURNER CONTROL

- Very Sensitive Electronic UV tube
- Insensitive to normal light
- Suited for flames due to Gas | Coal | Oil fired burners in Boiler and Furnaces
- Designed for harsh industrial environment
- Site adjustable time delay of 2 - 8 seconds .



▶▶ **Servicing, Validation, Trainings and Preventive Maintenance :**

- Servicing : We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings :We also take up preventive maintenance to reduce downtime of instrument's Trainings.
- AMC's/CMC : We offer user training both in-House and at customer sites on instrument principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/USFDA norms.
- Instruments : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



▶▶ **About Analytical Technologies**

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

▶▶ **Our Products & Technologies**

						
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Fully Automated CLIA	NOVA-2100 Chemistry Analyzer	PCR/Gradient PCR/ RTPCR	TOC Analyzer	Laser Particle Size Analyzer	Ion Chromatograph	Water purification system

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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