INSTRUMEX

An ISO 9001-2008 Certified Company

WATER

WEATHER

NOISE

EMISSION

AMBIENT AIR

104.4

INDUSTRIAL HYGIENE

Solutions for Total Environmental Monitoring...

INSTRUMEX

25+
Years of Experience

500+
Clients Served in..

20+
Countries

VISION

To be the most preferred & respected manufacturer of Environment Monitoring instruments

MISSION

To develop a brand known for Innovation and to create world class instruments for Environmental Pollution Monitoring. To bring awareness to the citizens of India about Hazards of Air Pollution and build cost effective monitoring solutions for Industries and citizens alike.

About us:

Established in 1990, Instrumex is an ISO 9001-2008 registered company and one of the largest manufacturers and suppliers of Environmental Pollution Monitoring Instruments. Our strength lies not in just developing the instruments but providing a **Total Solution** for your pollution monitoring requirement.
At INSTRUMEX, our passion is **Continuous Research & Development** of new technologies in Pollution Monitoring Instruments.
We have indigenously developed Air & Water quality monitoring instruments with CE marking.
We are the only company to participate and win the **iDesign 2014** Award for the design of PM2.5 Sampler.
INSTRUMEX is therefore poised to take the new challenges of Innovation in this industry and deliver world class products and services for the people.

Quality Statement
At Instrumex, we believe Quality is paramount and is the birth right of the customer.
With enduring effort, we dedicate ourselves to deliver defect free
instruments and Quality after sales service to all our customers.

We are engaged with local and national institutes for
serving the community in the study of
Air & Noise Pollution Monitoring.

ACM
ISO 9001:2008
Certified Company
Certificate No. 133883A

UKAS
QUALITY
MANAGEMENT

INSTRUMEX PM2.5 Sampler with Mass Flow Controller

- ⮕ Flow Control with Mass Flow Controller and Flow display on LCD
- ⮕ Automatic Compensation of Barometric Pressure & Ambient Temperature
- ⮕ Data logging and real time display of Bar. Pressure, Ambient & Filter Temperature, Real Time Flow and Volumetric Flow
- ⮕ Confirms to USEPA and CPCB Guidelines
- ⮕ Userfriendly interface and convenient data retrieval on USB
- ⮕ Compact & easily portable
- ⮕ Choice of sampling inlets - PM2.5, PM10 and TSP

Model No. IPM-FDS-MFC-2500

INSTRUMEX PM2.5 & PM10 Sampler

Model No. IPM-FDS (2.5/10)µ

- ⮕ Confirms to Federal Reference Method of USEPA & CPCB Guidelines
- ⮕ Microprocessor based precision flow control
- ⮕ Choice of sampling inlets - PM2.5, PM10 and TSP
- ⮕ Compact and easily portable
- ⮕ Userfriendly interface and convenient data retrieval on USB
- ⮕ Data Logging of all 5 parameters viz. Filter Temperature, Ambient Temperature, Barometric Pressure, Real Time Flow and Volumetric Flow

Available with volumetric flow on Dry Gas Meter
Model No. IPM-FDS-M (2.5/10)µ

Model No. IPM-FDS-2510

INSTRUMEX Dual Channel Dust Sampler

- ⮕ Simultaneous sampling of PM10 & PM2.5
- ⮕ PM-10 Confirms to 40 CFR, Part 50 Appendix J of USEPA
- ⮕ PM-2.5 Confirms to 40 CFR, Part 50 Appendix L of USEPA
- ⮕ Micorprocessor based precision flow control for each channel
- ⮕ Data Logging of all parameters for each channel
- ⮕ Data Retrieval by USB and RS-232 ports
- ⮕ Extremely portable with foldable tripod stand and carry

Available with volumetric flow on Dry Gas Meter
Model No. IPM-FDS-M-2510

INSTRUMEX PM 2.5 Sampler with Inbuilt Stand

i IDesignAwards

2014 Award Winner

- ➲ First & only instrument in this category to win the iDesign 2014 Award
- ➲ Inbuilt stand and inbuilt Gaseous Sampling Kit
- ➲ Compact and user friendly design
- ➲ Confirms to USEPA & CPCB guidelines
- ➲ Choice of sampling inlets - PM2.5, PM10 and TSP

CE

Model No. IPM-FDS-V1 (2.5/10)μ

Model No. IPM-115 BL/NL

INSTRUMEX High Volume Sampler with Respirable Dust Sampling

- ➲ Cyclonic Flow technique to separate particles less than 10μ
- ➲ Heavy Duty Noiseless & Brushless Motor
- ➲ Particle Size Below 10μ collected on Filter Paper
- ➲ Particles greater than 10μ (TSP) collected in a separate sampling Bottle
- ➲ Flow Rate of 0.9 to 1.4cc/min
- ➲ Superior Motor protection with Overvoltage protection relay
- ➲ Filter Media suitable to accommodate any (8x10)" Filter Paper

RESPIRABLE DUST SAMPLER

PM - 10
IPM - 115 BL / NL

CE

Model No. IPM-191

INSTRUMEX Portable Air Sampler

Workplace monitoring of SOx, NOx, SPM & VOC

- ➲ Portable Air Sampler for Workplace Monitoring
- ➲ Available in 0-8LPM, 0-5LPM and 0-500 mLPM (For VOC) models
- ➲ Flow adjustment with Needle Valve
- ➲ Powerful Li-Ion Battery with 8 hours continuous & 24 hours intermittent operation
- ➲ Options for filter holders - 47mm, 25mm, Glass Impingers & Charcoal tubes
- ➲ Inbuilt Charger and Carry Case
- ➲ Dimensions :(230 x 125 x 215) mm. Weight Approx. 1.5kgs.

CE

Instrumex Stack Monitoring Kit

- ➲ Ideal instrument for Isokinetic Sampling of Source Emission Monitoring (SPM & Gases)
- ➲ Complete Stack Monitoring Kit with Dry Gas Meter, Thermocouple, Thimble and Vacuum Pump
- ➲ Pitot tube & Digital Manometer for Velocity Calculation
- ➲ Particulate sampling at 10 to 60 LPM, Gaseous Sampling at 0-10 LPM.
- ➲ Provision for Impinger train for sampling of SOx & other gases
- ➲ Compact, light weight modular unit, easy to carry

Model No. IPM-112

Gas Analysers

Portable Gas Monitors	Multiple Gas Monitors	Flue Gas Analysers	Fixed Gas Detectors
➲ Gas detection in ppm/ppb in Ambient Air	➲ A Complete & Versatile unit	➲ Measures O_2, CO, SO_x, NOx, Temp, Pressure, Velocity	➲ Single point wall mounted µP based Gas Analyser
➲ Direct display on LCD Display	➲ Wide range of Gas detection sensors available	➲ Calculates CO_2, Efficiency, Losses, Excess Air, Net Temp, CO/CO_2 Ratio & Poison Index	➲ Audible & Visual Alarms
➲ Options for CO, SO_2, NO_2, O_3	➲ Integration of upto 8 Sensors	➲ Data Logger to store 160 sets of data	➲ 0-1V & 4-20mA Output
➲ Rechargable Battery & internal suction pump	➲ Options for PC Interface, Data logging & Internal Printer		➲ Option to chose from wide range of Sensors
➲ Portable & Light Weight unit			

Water Quality Monitoring

Model No. IPM-1915, 1909, 1096

COD Digester

- ➲ Open Reflux method of COD Digestion as per APHA
- ➲ Microprocessor based Timer & Temperature controller
- ➲ Solid Aluminium block for uniform heating
- ➲ Vessels with standard 40mm dia. & 20ml volume
- ➲ Options for 6, 9 & 15 Samples
- ➲ Options for Touch screen panel and LCD display

Model No. BOD Trak II

BOD Monitor

- ➲ Faster Results than Dilution Method
- ➲ Automatic operation Selectable range : 0-35, 0-70, 0-350, or 0,700mg/L BOD
- ➲ Capacity - Six 492mL Bottles
- ➲ Automatic Power off after test completion

Continuous Monitoring Stations

Complete Weather Monitoring Station

Sensor Configuration:
- Wind Direction
- Wind Speed
- Temperature
- Relative Humidity
- Rainfall / Precipitation
- Barometric Pressure
- Solar Radiation / Pyranometer
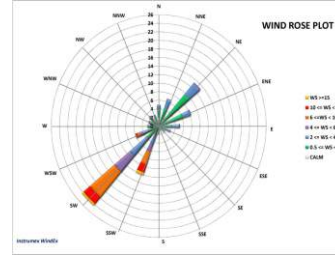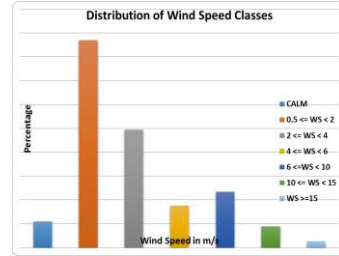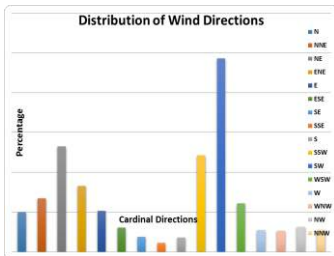- Module Temperature

Other Sensors available on request

Wireless Data logger:
- Data transmission over GPRS
- Very low power consumption & Charging from Solar Panel
- Firmware Over The Air Upgrade
- Data Storage in μSD Card
- Connectivity options - RS-232, RS-485 (To SCADA) & Ethernet
- Device settings performed remotely through SMS

Model No. WMS-51

Instrumex WindEx Wind Rose & Wind Trend Plotting Software

WindEx Wind Rose Software

Colorful Wind Rose diagrams generated from the data fetched by Instrumex Weather Stations. Wind Speed & Wind Direction Trends to give detailed view of historic wind data.

Real Time PM10 & PM2.5 Dust Monitor

USEPA Approved EDM-180 Dust Monitor

- USEPA Approved 19" Rack mounted Dust Monitor
- Simultaneous measurement of TSP, PM10, PM2.5 & PM1, Total Counts in Ambient Air
- Patented Optical Light Scattering Technology
- Little Maintenance & No Consumables required for regular operation
- Particle size distribution information from 0.25μm to 32μm

Continuous Emission Monitoring Station

Continuous Emission Monitors for SPM

- Designed for Monitoring Dust & Particulate Concentration (mg/m3) from stack
- Instantaneous emissions on Display and 4-20mA Output for Control Unit interface
- Measuring Prinicple Approved by USEPA & TUV
- Software & Data logger compatible for sending data on Pollution Control Board servers
- Low cost, low maintenance, no moving parts, no frequent calibration required

Online Water Quality Monitoring Station

Online COD, BOD, TSS, pH Monitor

- UV Spectrum Analyzer Measuring principle as per CPCB
- Continuous Automatic Calibration during operation
- Automatic chemical cleansing system reduces maintenance
- Software & Data logger compatible for sending data on Pollution Control Board servers
- Optional provisions for Cr, As, AOx & NH3

Gilian Personal Air Samplers

Industrial Hygiene

Instrisically safe, CE certified, RoHS compliant

Gilian 5000
(20 - 5000 cc/min)

- Highest Back Pressure capacity (60" of H2O @ 2LPM)
- Low flow from 20 - 800 cc/min (Constant Pressure Mode)
- Live Flow Display & Constant Flow Control

GilAir Plus
(0 - 5000 cc/min)

- STP correction & Data logging
- Quad Mode Air Sampling
- Low Flow 20 - 450 cc/min without external adapter
- Live Flow Display & Constant Flow Control

Gilian 12
(4 - 12 LPM)

- Constant Flow Control & Live Flow Display
- Highest Back Pressure Capacity
- 8 Hours continuous run time
- Ideal for High Flow applications

Gilian 800i
(200 - 800 cc/min)

- Ideal for VOC Monitoring
- Highest Back Pressure of 80" H_2O at 200 cc - 800cc
- Run time of min 8 Hours
- Live Flow display and Constant Flow Control

Portable VOC MONITOR

- Hand held PID detector for VOCs
- Wide detection range of 0.1 - 20,000 ppm & optional ppb range
- Internal gas table with 480 VOCs and toxic compounds
- Intrinsically safe, 24 hrs battery life & internal pump

Physical Exposure Monitoring

Air Velocity Meter

- Range - 0 - 45m/s
- With Temperature & Relative Humidity sensor
- Memory Function, RS 232 output

Lux / Light Intensity Meter

- Range - 0 - 4Lac Lux,
- Large LCD Display
- Memory Function, Data Hold, RS 232 output

Heat Stress Meter / WBGT Meter

- Measures Globe Temperature, wet bulb temperature, dry bulb temperature & relative humidity
- Displays online WGBT indoor & outdoor index, Heat Index & Humidex
- Built in Radio technology for simultaneous wireless monitoring at different locations

Real Time Dust Monitor

- Displays accurate Dust Concentration in µ/m3 on LCD
- Measures & Records dust from 1 - 10,000 µ/m3
- 4000 records of STEL, Max, Min, & Average reading
- Long Battery life for 12 hours continuous use

Noise & Vibration Analysers

Integrating Sound Level Meter

- Ideal for Environmental & Industrial Noise testing
- Class 2 Sound Level meter, measures SPL, Leq, Sel, Lcpeak, LAE etc.
- 32000 datasets can be stored
- Wide dynamic range - 100dB
- Windows Software, USB Interface, Memory Card slot

Personal Noise Dosimeter

- Measures Lavg/Leq, SPL, Max, Min, SEL, SEL8, PSEL, LEPd, Dose (%), TWA, E, E_8h, Peak, Run Time etc.
- Dynamic measurement range - 95dB
- 8 GB Memory, Voice Tagging, Audio Recording
- 1/1 Octave analysis, Automatic Calibration & Long battery life (40Hrs operation)

Octave Band Analyzer

- Ideal for hearing protector selection study, Workplace noise monitoring to ISO9612
- Class 1 Sound Level meter, 1/1 & 1/3 Octave analyser
- Range - 20 - 140dB, A/C/Z frequency weighing
- 4GB memory, 3G/GPRS connectivity, Color Display
- Advanced software for detailed Noise Analysis

Whole Body & Hand Arm Vibration Analyzer

- Human Vibration Measurements meeting ISO 8041:2005
- Whole Body & Hand Arm Triaxial Measurements
- 1/1 & 1/3 Octave Analysis
- Advanced datalogger with spectral analysis, MicroSD card, USB interface & Software for data download

"Environment is not an object of our pleasure but it is the reason of our very existence!"
At Instrumex, this forms the basis of our development philosophy and we are committed to send this message to the world through our services.

Partial Clientele:

NEERI · ONGC · NTPC · NPCIL · BARC · ISRO
TATA · JSW · ADITYA BIRLA UltraTech · L&T · Intertek · SGS · asianpaints
vedanta · Dr.Reddy's · APOLLO TYRES · INDIAN SCHOOL OF MINES · MYLAN · RAMKY GROUP Towards sustainable growth

Overseas Clients in: SAARC Nations | Middle East | South East Asia | South America | Africa

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ISO 9001:2008 Certified Company Certificate No. 133883A
UKAS QUALITY MANAGEMENT

INSTRUMEX