

Specialize in Environmental and Process Monitoring Instruments



OUR PRODUCTS

GAS DETECTION

- .. Indoor Air Quality Monitor
- .. Portable Gas Leak Detection
- .. Ultrasonic Air Leak Detection
- .. Fixed gas Monitoring System
- .. Universal Gas Transmitter

GAS ANALYZER

- .. Portable Gas Analyzer
- .. Hydrogen Purity Analyzer
- .. Flue/Stack Gas Analyzer
- .. Biogas Analyzer
- .. Continuous Emission Analyzer

MOISTURE ANALYZER

- .. Dew Point Analyzer
- .. Continuous Moisture Analyzer
- .. Trace Moisture Analyzer
- .. Dew Point Transmitter
- .. Hygrometer

Dust Particulate Monitor

- .. Portable Dust Monitor
(PM₁₀, PM_{2.5}, PM_{1.0})
- .. Continuous Emissions Monitor

APPLIED TECHNO SYSTEMS



Environmental Monitoring Instruments

Multi-Function Gas Detector/ Monitor Suitable for the application of Environmental Monitoring, Gas Leak Search, Indoor Air Quality Monitor, Quality

Control & Confined-Space Entry For all Toxic, Combustible/flammable ,VOC and Oxygen Gases available with Microcontroller based, Graphics Display, data storage & computer USB Interface.

Handheld Gas Leak Detection

- Single or Multi gas Monitor/Detector • Measures Up to 5 gases any
- Micro controller based • 128 x 64 Graphics Display
- Diffusion or Suction Sampling • Range in PPB,PPM,Mg/M3,%V/V and %LEL
- Long Life Lithium battery • Direct Onsite Printing



Field Mounted Gas Monitor/ Detector

Single or Multi Point Field Mounted Gas Monitor/ Detector Application specific sensor technology suitable for O₂, CO, CO₂, NO, NO₂, SO₂, H₂, NH₃, CL₂, VOC, HCL, Br₂, PH₃, HF, H₂S, HCN, B₂H₆, LPG/CNG Hexane, Hydrocarbon and other solvent vapour Output 4-20mA, Relay, RS 232/RS 485 and MODBUS



Calibration Kit For Calibrating Instruments and Sensors

Applied Techno Systems offers a Quick, convenient and Economical Method of checking the response of gas sensor and gas detection instruments with complete line of calibration gas cylinders to calibrate all Applied instruments. The gas mixture in calibration gas cylinders is certified to be prepared gravimetrically, using NIST traceable weights. The lot number and nominal value of the gas constituents in volume, percent by mass, PPM, or volume is specified on the cylinder.



Dew Point Meter/Moisture Analyser

Portable & Online Dew point Analyser to measure the dew point/moisture of Compressed air/gas and other corrosive gases available with full range -110 deg C to +20 Deg C

Portable Dew Point Meter

Applied portable handheld battery operated Hygrometer model ATS-301D are designed to measures dew point, Moisture and temperature faster and accurately over a wide measurements range.

Features

- .. Robust & Reliably Construction for Industrial Applications
- .. Micro controller based embedded intelligent instrument
- .. Multi Parameter Single 128 X 64 LCD Display
- .. Embedded software for moisture calculation in PPM
- .. Samples Pressure Upto 12 Kg/CM²
- .. Inbuilt Thin film capacitive sensor
- .. Optional Auto & Manual Data Logging systems with RS 232/USB Computer Interface



Online Moisture Analyser

Model ATS-303D Process Moisture Analyser Designed to Handle Rigorous Demands of Moisture Measurement in Natural Gas Applications, Provides Fully Automatic Self-Calibration Dew Point System, Provides Cost Effective Solution for Demanding and Critical Moisture Monitoring Applications.

Features

- High Confidence in Measurement
- Automatic Field-Calibration/Validation
- Long Sensor Life
- Optional Sampling Systems
- Low Maintenance and Low Installation Cost



Emission & Process Monitoring Instruments

Stack/Flue/Process/Purity/Coal/
Emission Gas Analyser

Portable, Table Top, online, Single or Multi Gas Analyser for analysis of Flue gases, Coal Gases, Biogas, fuel Efficiency, Purity Checking for the stack, process and lab applications. Fully Integrated Systems up to 8 gases in single Compact Housing available with data Recording, Computer interface, and printer option. Output 4-20mA, Relay, RS 232/RS 485 and MODBUS

Hydrogen Purity/Turbine Gas Analyser

- Simple Low Cost maintenance
- Microcontroller based embedded intelligent instruments
- H₂ gas Range :85-100%V/V
- Tri Gas Range 0-100% CO₂ in Air , 0-100% H₂ In CO₂ and 90-100%H₂ in Air
- User friendly Interface
- Direct Plug In Or Auto Suction Sampling
- 128 x 64 Graphics LCD Display
- USB/RS 232 Computer Interface
- Long Life Rechargeable Li-ION Battery



Flue / Stack / Emission Gas Analyser

We offer comprehensive range of Portable and Continuous Flue/stack/Emission/Coal Gas Analyser for the analysis of gases ranging from 100%V/V down to PPM Level. Feature includes a dual wavelength sensor, Remote Sampling, Graphics LCD Display, adjustable level relay output for alarm and 4-20mA output for control purpose and minimal maintenance. Special gas sample Conditioning systems are used to clean and dry the gas sample for accurate and High performance operation

Feature

- Microcontroller based embedded intelligent instruments
- Measured up to 8 parameter
- Long Life Electrochemical sensor
- Long Life Zirconium/Paramagnetic sensor for Oxygen
- Dual wavelength Infra-red sensor for Long terms accuracy and stability
- Multi Parameter Single Graphics LCD Display
- RS 232, RS 485 and Modbus Communication Protocol
- Self diagnostic & Self integrity check
- Direct Plug In or Auto Suction Sampling
- Sampling Probe Up to 1600 Deg C
- Continuous Monitoring of CO₂, CH₄, CO, O₂, SO₂, NOX (NO+NO₂), HF, H₂, H₂S
- Excellent low level capability for NOX and SO₂ Measurement
- Web Based Real time data transfer with GSM/GPRS Technology



Ultrasonic Compressed Air Leak Detector

Reliable and Accurate solution to find the leaks with Ultrasound Technology!!

Ultrasound leak inspection is especially beneficial in areas where there is a saturation of gases/air or where a wide variety of gases/air, pressurized vessels and vacuum processes exist. For this reason ultrasound leak detection is used in many facilities for safety, environmental, energy or quality assurance programs. Ultrasonic leak detector suitable for the application of Compressed Air Leak Detection, Steam Trap & Valve Testing, Vacuum refrigerant or any gas.

NOTE: All Environmental and process monitoring instruments have Provision for Web based data transmission to remote Location through internet and database storage on secure server & Wireless Data transmission through GPRS and can be connected to LED Display Matrix.



Dust Particulate Monitor

Portable and Fixed Dust Particulate Monitor based on Light scattering and tribo electric Principle suitable for ambient, Indoor Air Quality, stack dust particulate analysis, Bag filter Application and Flow/ No Flow Monitoring.

Portable Dust Monitor

- Measuring Range :0.1 to 999.0 microgram/m³ or 0.001 to 10 mg/m³
- Optical Scattering Technology
- Three Channel On single Graphics Color LCD Window
- Suitable For PM10, PM2.5, PM1.0
- Long Life Li-ION Rechargeable battery
- Computer Interface & Data Storage



Online Dust Particulate Monitor

- Measuring Range: 0-1000 mg/m³
- Advanced detector for dust emissions and process flow applications
- Easily selectable alarm threshold level and time delay
- Two independent SPDT relay contacts for alarm indications with selectable fail-safe mode
- Industrially hardened, noise resistant design; can operate on an ESP and other challenging applications
- Suitable for all particulates - accurate sensing method
- virtually maintenance-free - low cost of ownership
- Suitable for virtually all dust collectors
- Data Logger with RS232/485 and USB Computer Interface
- Web based data Transfer through GSM/GPRS technology



Appplied Techno Systems is India's most leading and quality oriented company engaged in designing manufacturing, marketing and exporting of Analytical, Environmental and Process Instruments for various Industries and applications. With over 10 years combined experience in Analytical, environmental and process Instruments, Since that time it has established itself as one of the leading suppliers of Gas Monitoring, Gas Analyser, Dew Point Analyzer and Stack emission monitoring systems into a wide range of industries and applications. Our mission statement is "To provide the innovative & indigenous solutions to customers for various applications."

Our Product finds extensive applications in the field of:

APPLICATIONS

- Indoor/ Outdoor Air Quality Monitor
- Ambient & Emission Monitoring
- Flue Gas Analysis
- MAP (Food Gas Packaging)
- Process Analysis & Combustion Gas Analysis
- Quality Control Laboratory
- Research and Development
- Industrial Hygiene & Safety
- Hydrogen Generation & Heat Treating
- Biogas, Landfill and Digester

INDUSTRIES

- Chemical, Petrochemicals Manufactures & Users
- Pharmaceutical, Life Science & Biotechnology
- Food & Beverage & Gas Mixing
- Laboratory & Institutions
- CNG/PNG/LPG storage & Distribution
- Gasification and Syngas, Oil & Gas mining & Refineries
- Single Super Phosphate Plant
- Power Generation
- Pulp & Paper
- Steel & Coal Industries

APPLIED TECHNO SYSTEMS

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