Utech Projects Pvt. Ltd.

OUR MISSION

Our Mission is to provide advanced, reliable, and userfriendly equipment and services that ensure compliance with environmental standards and promote sustainable practices to ensure cleaner, safer air and workplaces for our global community. We aim to provide quality products at a fair price.

OUR VISION

Our vision is to be the global leader in pollution, environmental and safety monitoring technology, driving a safer, healthier, and more sustainable world for future generations.

OUR APPROACH

INHOUSE DESIGN : Products are designed and manufactured by us. Most suitable for INDIAN & International tropical conditions and working environments.

APPLICATION BASED SOLUTIONS : We understand your customized needs in detail and design products accordingly.

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SERVICES : Prompt After-Sales Service, Spares Replacement, Installation and Training. Online A/V support, On-site calibration.

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Testing & Calibration Lab : Products are tested by the Lab. Accredited as per ISO/IEC 17025:2017 by IAS, U.S.A. & NABL, INDIA.

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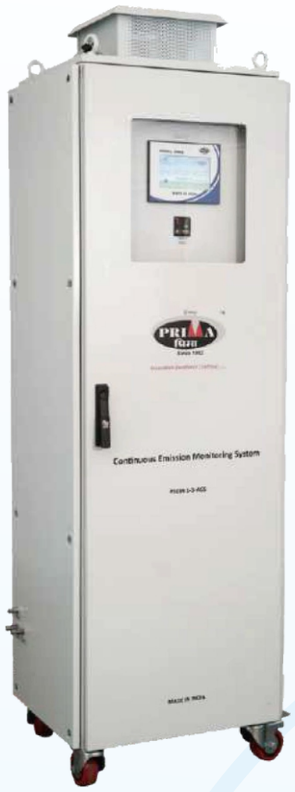
ENVIRONMENTAL MONITORING & ANALYTICAL LAB Sampling, Monitoring & Analysis of Air, Water, Noise, Soil & sediment. Providing testing services in compliance with the governing standards of US EPA / IS.

OUR RESEARCH & DEVELOPMENT : CEMS is certified to international standards with state-of-the-art in-house R&D, ECAD, and MCAD design along with an in-house ESD room for electronic PCB assembly, production, testing, and certified quality check of manufactured equipment. Major products are TUV certified for CE mark norms with certification from the Quality Council of India. For better performance evaluation & testing of products ,same are tested & calibrated by Testing & Calibration Laboratory confirming to international standards.



EMISSION MONITORING

Gas and Dust Emission Monitoring is the process of monitoring the emissions coming out of the stacks to keep a check on the pollutants thrown out in the air. Usually, this gas & dust emission has to be measured on a continuous basis.

The Emission of gases & dust from different industrial processes can create pollution of the air, cause global warming, and affect human health.

As a solution, industries install/use Continuous Automated Emission Monitoring Systems for single and multiple gas measurements. The major emission gases are Sulphur Dioxide (802), Nitrogen Oxides (Nox), Carbon Monoxide (CO), Hydrocarbon (HC) Gases etc. depending on process.

QAL-1
TESTED
ACCORDING TO EN 14181

PROCESS GAS MEASUREMENT

Process gas measurement is required to ensure impeccable and effective working of the plant and process. Processes that require gas measurement are Process Vent, Scrubber Vent, and Chemical Reaction Vent emission measurement depending upon the application requirement.

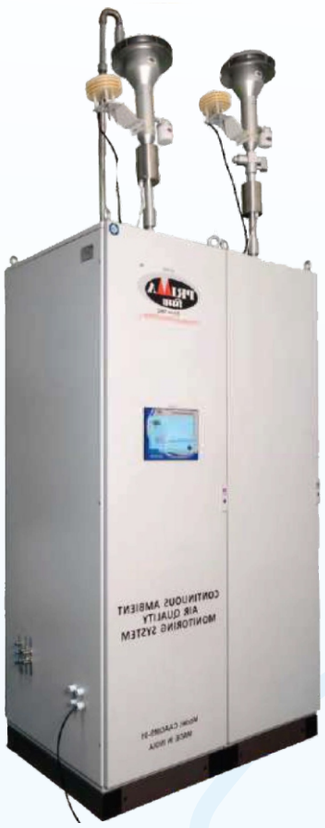
Process gas measurement can be of portable or fixed point for different gases like, CL2, HCL, NH3, 802, NOx, HC, H2S, VOC, 02, etc.

Applications are in process control and optimization, quality control.

COMBUSTION EFFICIENCY MONITORING

Operating a boiler, or furnace with an optimum amount of excess air will minimize heat loss of the stack and improve combustion efficiency. Combustion efficiency is a measure of how effectively the heat content of a fuel is transferred into usable heat. The stack temperature and flue gas oxygen, carbon monoxide, and carbon dioxide concentrations are primary indicators of combustion efficiency.

To ensure the combustion efficiency of fuel is high and flue gas emissions are within the restricted limit, portable equipment like a flue gas monitor should be used.



ENVIRONMENTAL MONITORING

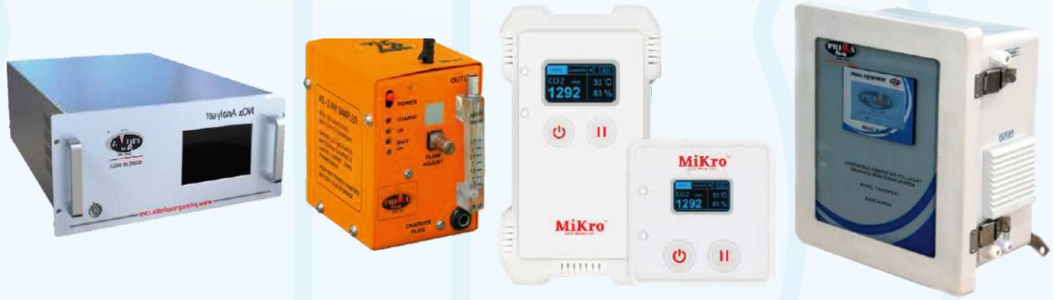
Environmental pollution can affect human health and cause a decease in lungs, eyes, nose, etc. Measurement of Indoor and outdoor Environmental pollutants can aware user about the presence of concentration of pollutants surrounding them and hence they can take respective corrective action.

Environment monitoring can be done by ambient air quality monitoring systems, ambient air gas, dust, and odor monitoring.

Ambient air quality monitoring can be done by ambient air gas, dust, odor and weather parameters monitoring. Air sampler can be used for data collection and further analysis.

Indoor air quality monitoring is required to check the quality of air inside the close area.

Parameters of environment monitoring include 18+ Different gases like S02, NOx, 03, CO, CO2, VOC, BTEX, PM10, PM2.5, PM1, Odour, ambient temperature, humidity, pressure etc.



QUALITY CONTROL MONITORING

Quality Control is an integral part of any process. Analysis of the quality of processes is an important concern for maintaining High Quality process output.

Quality needs to be maintained by considering trace oxygen impurities in food packages, inert gases, quality of generated gases, process monitoring, etc.

Measurement of gases depends on the application and processes done in the target industry. **www.primroupindia.com**

Health and safety are an integral part of the industrial work environment.

Monitoring of safety of your surrounding area is the most essential and critical concern for human occupational, health and safety.

A safe work zone can be created by considering the following.

* Personal safety
* Industrial area surveillance
* Ambient gas and dust measurement
* Impurity measurement in reactors

Are you safe in the area where you are working?

A personal safety gas detector is used to check the conformity of the area where you are working.

Personal safety detectors can be fo single gas or foe multiple gases depending on the area and application.

The major gases to detect for personal safety are O2, Cl2, HCL, VOC,Combustible, So2, HCN, COCL2, Nh3, HF, HC, H2, H2S and many more.

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