

STACK EMISSION MONITORING SYSTEM

- On-line Continuous Emission Monitoring System (Microprocessor Based) for Boiler / Incinerator / Furnace / Scrubber Vent / Thermo Pack / Process Stack Gas Monitoring
- Can consist for measurement of parameters as per requirement:
 O_2 , CO , SO_2 , NO_2 , NO , HCL , CL_2 , NH_3 , H_2S , HCN , Co_2 , ETO , Dust / SPM
- Automatic / Manual Gas Sampling & Filtration System
- Sampling on-line continuous
- Suitable for 600 °C / 1200 °C flue gas temperature
- Auto Drain & Probe cleaning system
- No pre-heating time required



CONTINUOUS STACK SPM / DUST EMISSION MONITORING SYSTEM

- Measures concentration of suspended particulate matter (SPM) in mg/Nm^3
- Measurement range 0-1000 mg/Nm^3
- Based on light scattering photo diode or triboflow principle sensing device
- Auto purging system
- Application in continuous measurement of SPM / Dust in Stack / ESP / Bag House in Power, Steel, Cement, Chemical, Pharma Industries etc.



AMBIENT AIR QUALITY MONITORING SYSTEM

- Continuous measurement device can be installed open to sky for work place atmosphere monitoring
- Micro processor based technology
- Direct PC based Automation system for monitoring and recording facility with dedicated CPU, LED, Display, Key Board as user interface
- On screen continuous display of Gas concentration in mg/Nm^3 with real date & time
- Capable of monitoring: O_2 , CO , SO_2 , NO_2 , NO , HCL , CL_2 , NH_3 , H_2S , HCN , Co_2 , $PM_{1.0}$, $PM_{2.5}$, PM_{10} , VOC



MULTIPOINT GAS DETECTION SYSTEM

- Used for continuous area surveillance multi-point monitoring either toxic or flammable gases in work places or enclosed spaces.
- Smart Technology with diagnosis features
- Consisting main control panel for 8/16/30 detection points
- All detection points are addressable
- LED indication in control panel for fault, Alarm & function, RS 232 printer output, common External hooter output with industrial hooter & light flasher
- Addressable gas sensor module can be non flp/flp for toxic gas / combustible gases with relay signal output and led indications
- Cable from controller to gas sensor is in single loop hence saves enormous cost of cables then conventional system



PORTABLE / CONTINUOUS SINGLE POINT GAS DETECTION SYSEM



- Microprocessor based system
- Wall mounted controller in IP 55 / FLP protected enclosure
- Sensor in Non-FLP / FLP Enclosure
- Gas measured : O₂, CO, SO₂, NO₂, NO, HCL, Cl₂, NH₃, H₂S, HCN, Br₂, H₂, Solvent Vapors (VOC), Combustible Gas
- Sensor can be mounted at the distance maximum 100 meters
- Monitor Display : 3 ^{1/2} digit LED
- Volts free relay output for external controls
- 0-1V & 4-20mA output for data logging or connection to central monitoring system
- Power supply to controller : 110V / 230V AC

• These toxic gas analyzers use sensors which have an enviable reputation for reability, stability and rugged design having an electrical output linearly proportional to concentration level of the gas. Ambient air monitoring can be done continuously. Process gas may be monitored only under certain conditions and levels.

• These instruments find application in process control, quality control and safety in work areas of factories and research institutions.



GENERAL PURPOSE AIR SAMPLER



- Air Sampler work continuously for up to 10 hours between charging.
- Allows variation of flow rates between 0.5 and 2.0 liters/minute.
- The sampler unit can be kept on a flat surface for stability at the breathing zone level of the worker to take TWA-TLV (8 Hour) measurements.
- Used for collection of gased from process vent and ambient air. Collection of toxic dusts e.g. Arsenic, Cadmium, Beryllium, Carbon black, Cobalt, Copper, Lead, Manganese, Nickel rhodium, Silver or Tin, the use of a Filter is the simplest.

Contact us:

Process & Environmental Monitoring Instruments Division

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