



SOARMILCH ENGINEERS

AN ISO 14001:2015 Certified Company

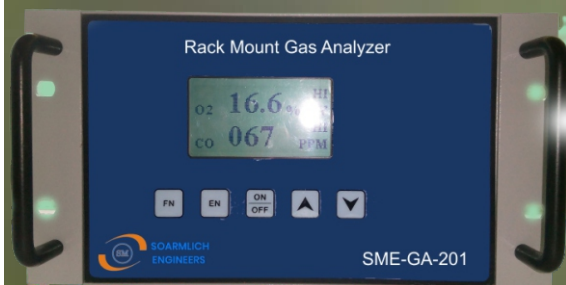
Specialize in Environmental and Process Monitoring Instrument

OUR PRODUCTS

Fixed Gas Transmitter
Portable Gas Monitor
Smart Gas Transmitter
Clean Room Monitor
Multi Gas Monitor
Ultrasonic Leak detector
Plant Automation
ETP Monitoring System
Broken Bag detector

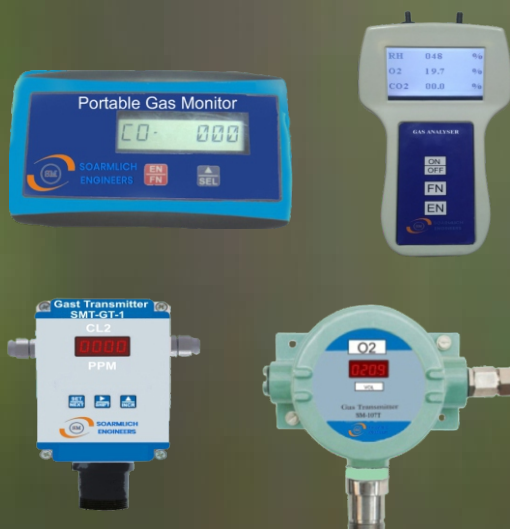
Portable Flue Gas Analyser
Portable Exhaust Analyser
Portable Bio-Gas Analyser
Portable Process gas analyser
Portable Purity gas analyser
Portable stack gas analyser
HMI/PLC panel
Online Data-Transmission
Dew Point Analyser

Online Emission Monitoring System
AAQMS
Continues Bio-Gas Analyser
Continues Process gas analyser
Continues Purity gas analyser
Continues stack gas analyser
AMC regarding Gas Monitoring System
In-situ Stack Gas Analyser
Online Dust Monitoring System



Environmental 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 OC and Oxygen Gases available with Microcontroller based ,Graphics Display, Data storage & computer USB Interface.



Portable Gas Leak Detector

Single or Multi Gas Monitor/Detector • Measures Up to 5 gases any Micro controller based • 128x 64 Graphics Display
Diffusion or Suction Sampling • Range in PPB, PPM, Mg/M 3, %VIV and %LEI Long Life Lithium battery • Direct Onsite Printing

Field Mounted Gas Transmitter/Monitor

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 vapors
Output 4-20mA, Relay, RS 232/RS 485 and Modbus

Calibration Kit

Soarmlich Engineers offers a 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 Soarmlich instruments. The gas mixture in calibration gas cylinders is certified or 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 Analyzer

Portable & Online Dew Point Analyzer 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 Monitor

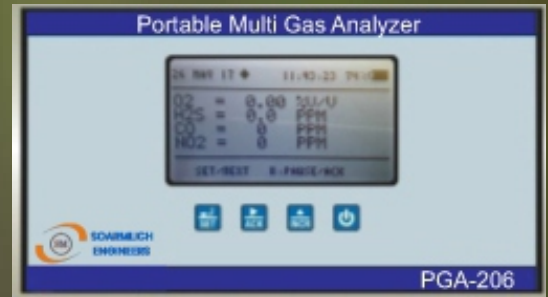
Robust & Reliable Construction for Industrial Applications
Micro controller based embedded intelligent instrument
Multi parameter Single 128X 64 LCD Display
Embedded software for moisture calculation in PPM
Samples Pressure Up to 12 Kg/CM2
Inbuilt Thin film capacitance sensor
Optional Auto & Manual Data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

Emission & Process Monitoring Instruments

Portable, Table Top, online, Single or Multi Gas Analyzer 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, Relays 232/RS 485 and MODBUS

Hydrogen Purity/Turbine Gas Analyzer

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
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

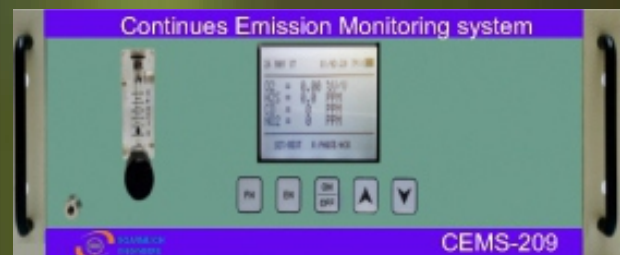


Online Emission Monitoring System

We offer comprehensive range of Portable and Continuous Flue/Emission/Coal Gas Analyzer 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

Features

Microcontroller based embedded intelligent instruments
Measured up to 8 parameter
Long Life Electrochemical sensor
Long Life Zirconia/Paramagnetic sensor or 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, N₂ OX (NO+NO₂), HF, H₂, H₂S
Excellent low level capability for NOX and SOX Measurement
Web Based Real time data transfer with GSM/GPRS Technology



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, Online PM Monitoring System 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 Graphical Color LCD Window
Suitable for PM₁₀, PM_{2.5}
Long Life Li-ion rechargeable battery
Computer Interface & Data-Storage.



NOTE: All Environmental and process monitoring instrument have provision for web based data transmission to remote location through internet and data-base storage on secure server.

Online Dust Particulate Monitoring

Measuring Range: 0 -1000 mg/m³

Advance detector for dust emission and process flow application

Easily selectable alarm threshold level and time delay

Two Independent SPDT relay contracts for alarm indication with selectable failsafe 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 ownership

Suitable for virtually all dust collector

Web based data transfer through GSM/GPRS technology



Multi-Chanel Gas Monitor

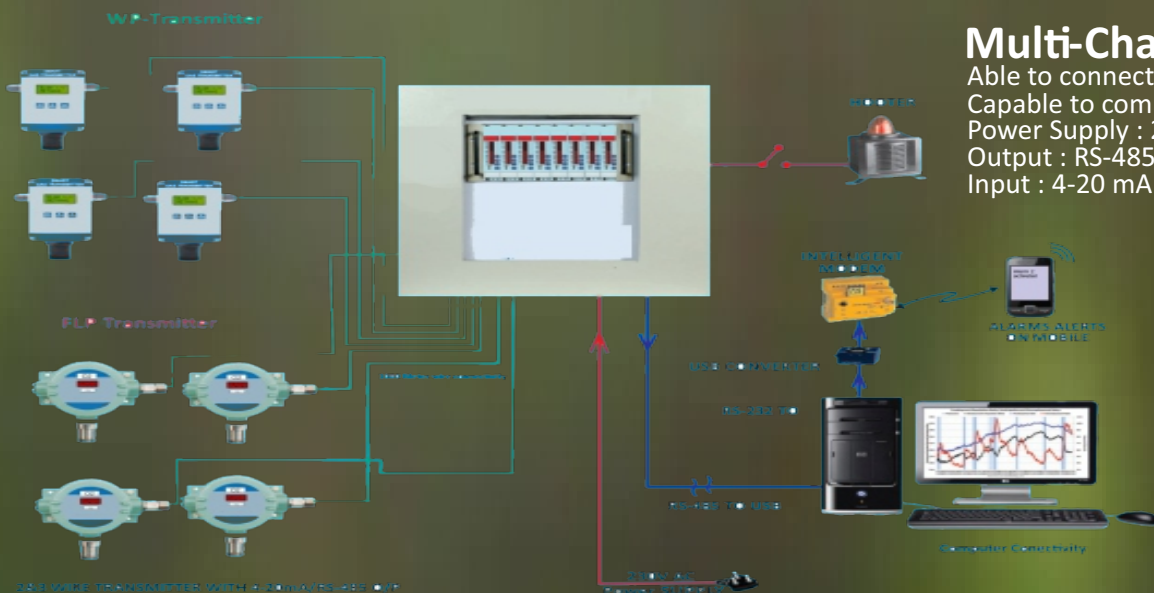
Able to connect with Approx. 36 gas transmitter

Capable to communicate with PLC or Scada

Power Supply : 230 V

Output : RS-485 & RS-232

Input : 4-20 mA



Products finds extensive application in the field of:

APPLICATION

Indoor/Outdoor Air Quality Monitor

Ambient & Emission Monitoring

Flue/Exhaust Gas analysis

MAP (Food Gas Packaging)

Process Analysis & Combustion Gas Analysis

Research & Development

Industrial Hygiene & Safety

Hydrogen Generation & Heat Treating

Solid-waste gas generation & Bio-gas analyser

STP, ETP & WTP Monitoring

INDUSTRIES

Chemical and Petrochemical

Pharmaceutical and Biotechnology labs

Food and Beverages

Gas generation and Gas mixing Plants

Technical Institution and R & D labs

CNG/PNG/LPG storage yard & Distributors

Oil & Gas Mining and refineries

Fertilies plant, Sugar plants and API units

Power Generation Plants

Pulp & Paper

Steel & Coal Industries



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