



**SOARMILCH<sup>TM</sup>  
ENGINEERS**

AN ISO 14001:2015 Certified Company

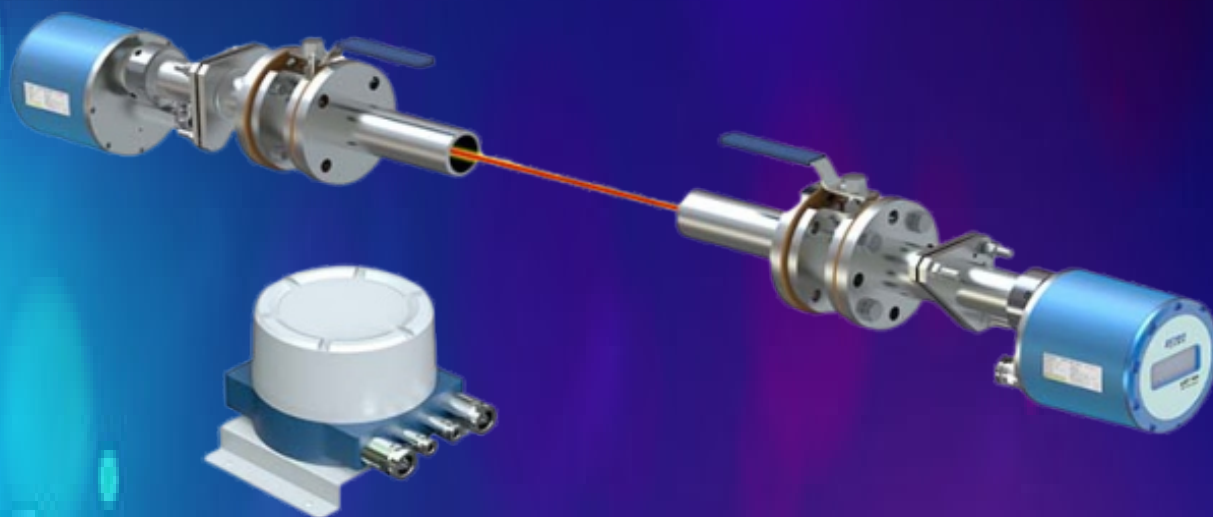
**TÜV  
AUSTRIA**

**CERTIFIED**

EN ISO 9001

Certificate No. 20100213012828

TÜV AUSTRIA CERT GMBH



## 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

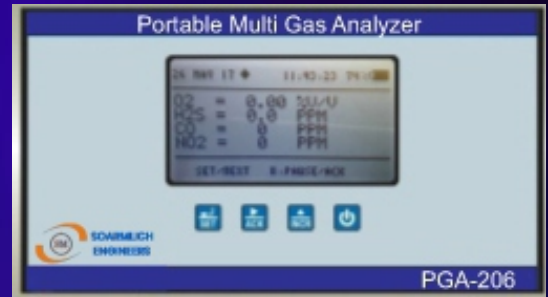
Online Emission Monitoring System  
AAQMS  
Continues BioGas Analyser  
Continues Pcess gas analyser  
Continues Purity gas analyser  
Continues tack gas analyser  
AMC of Gas Detector  
In-situ Stack Gas Analyser  
Online Dust Monitoring System

## 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  
H<sub>2</sub> gas Range: 85-100%V/V  
Tri Gas Range 0-100% CO<sub>2</sub> in Air, 0-100% H<sub>2</sub> in CO<sub>2</sub> and 90-100%H<sub>2</sub>  
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

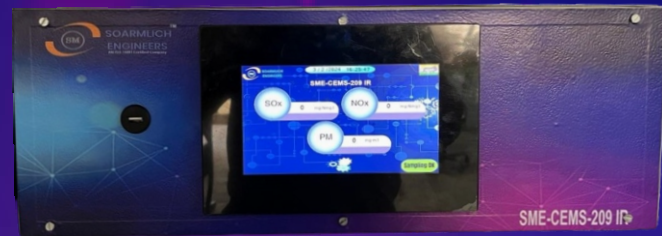


### Online Emission Monitoring System

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 CO<sub>2</sub>, CH<sub>4</sub>, CO, O<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub> (NO+NO<sub>2</sub>), HF, H<sub>2</sub>, H<sub>2</sub>S  
Excellent low level capability for NO<sub>x</sub> and SO<sub>x</sub> Measurement  
Web Based Real time data transfer with GSM/GPRS Technology



### Dust Particulate Monitor

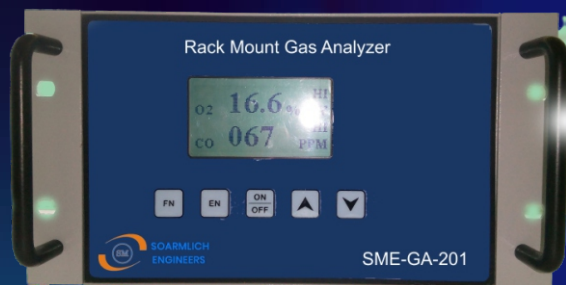
Portable and Fixed dust particulate monitor based on light scattering and tribo-electric Principle suitable for ambient, Indoor Air Quality, Stack dust particulate analysis, Bag filter application, Online PM Monitoring System and Flow/No Flow Monitoring.

### Portable Dust Monitor

Measuring range: 0.1 to 999.0 microgram/m<sup>3</sup> or 0.001 to 10 mg/m<sup>3</sup>  
Optical Scattering Technology  
Three Channel On Single Graphical Color LCD Window  
Suitable for PM<sub>10</sub>, PM<sub>2.5</sub>  
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.



## 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 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



# Online Dust Particulate Monitoring

Measuring Range: 0 -1000 mg/m<sup>3</sup>

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 fail-safe mode.

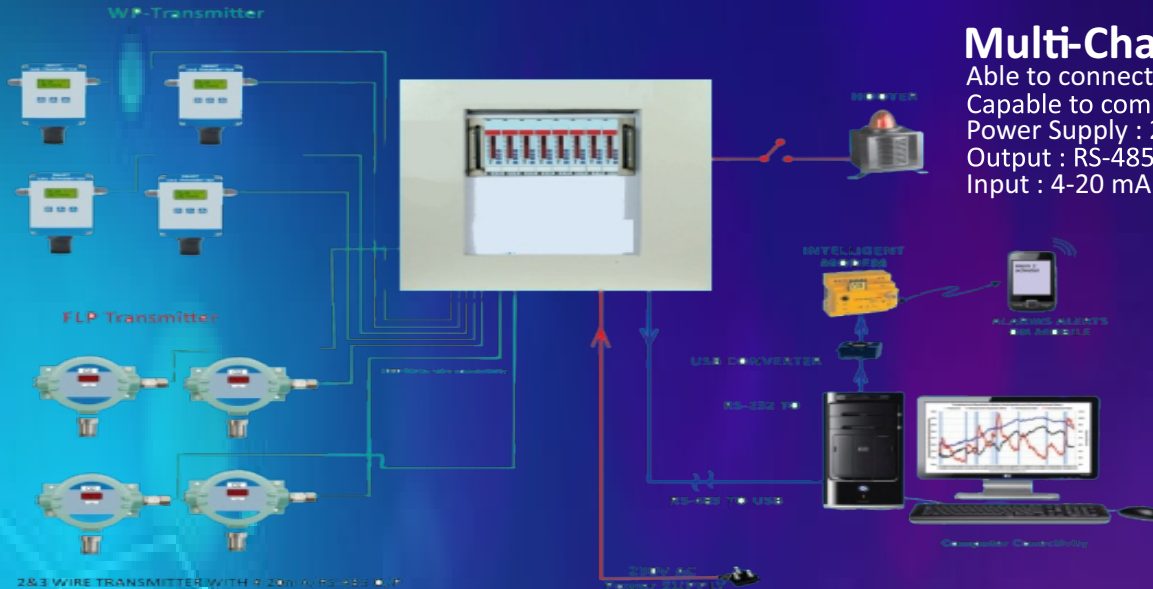
Industrially hardened, noise resistant design; can operate on an ESP and other challenging applications

Suitable for all particulates—accurate sensing method

Virtually maintenance free low cost 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

