



Online Continuous Emission Monitoring System



SPM

O₂

HCL

CO₂

NO_x

SO_x

CO

Introduction

In recent years Online Emission Monitoring Technology has received attention and interest in context of providing accurate and continuous information on particulate matter/ gaseous emission from stacks. There are already commercially available systems for monitoring parameters such as PM, HCL, SPM, SO₂, CO, O₂, CO₂, NO_x, SO_x, etc. The Continuous Emission Monitoring (CEMS) System comprises of the total equipment necessary to determine the concentration of gaseous emission and/or particulate matter concentration and/or emission rate using analytical measurement.



**Alarms For
Low & High**



Specific Sensors



**Automatic
Operation**



**Low Cost Of
Maintenance**



Online Continuous Emission Monitoring System



Features

- ❖ Data Uploading Time 1 Min To 30 Min.
- ❖ Online Remote Calibration (Optional).
- ❖ Online Calibration Of Gases.
- ❖ Online System Failure Alarms (Optional).
- ❖ Build In Cloud Connector For Online Data Transfer.
- ❖ Sampling Time Variable From 1 Sec To 999 Sec.
- ❖ Data storage Time Up to 90 Days (Optional Up to 1 Year).
- ❖ Online Fault Diagnostic Feature.
- ❖ Password protection For Users And Pollution Board.

Technical Specification

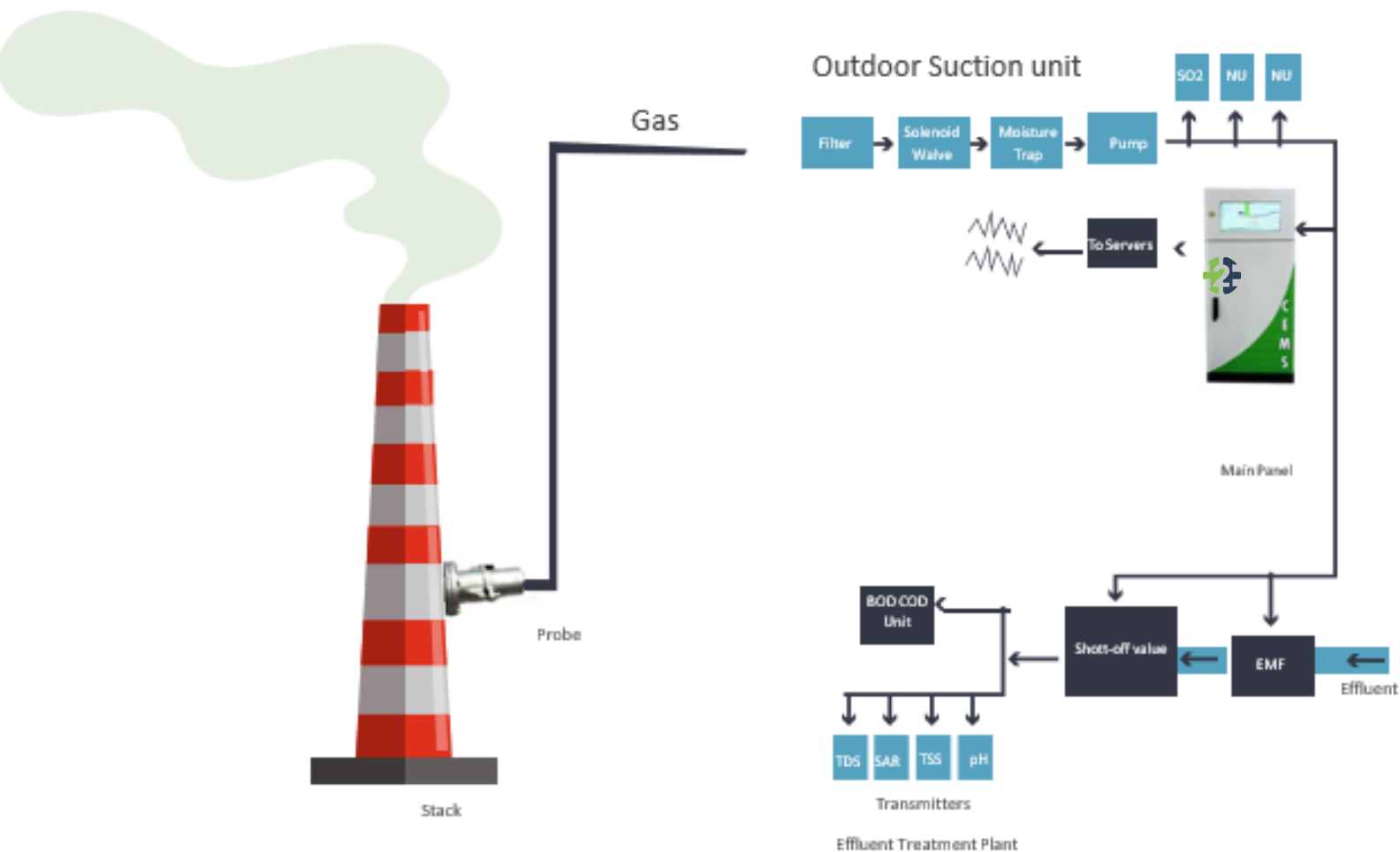
Sensors	Technology	Measurement Range	Operating Temp	Power supply
SOX	NDIR/EC	0-1000 ppm	0-45°C	5 – 32V DC
NOX	NDIR/EC	0-1000 ppm	0 -45°C	5-32V DCv
CO2	NDIR/EC	0-2550000 ppm	10-45°C	5-32V DCv
CO	NDIR/EC	0-10000 ppm	10-45°C	5-32V DCv
O2	NDIR/EC	0-2550000 ppm	0 -45°C	5-32V DCv
SPM	Optical	0 – 1000 ppm	10 -40°C	5-32V DCv
HCL	NDIR/EC	0-1000 ppm	0-45°C	5-32V DCv

Applications

- ❖ Waste Incinerators
- ❖ Cement Plants
- ❖ Petroleum Refineries
- ❖ Gas Turbines
- ❖ Fertilizer Plants
- ❖ Paper Mills
- ❖ Glass Manufacturing
- ❖ Metal Smelters
- ❖ Chemical Plants
- ❖ Textiles
- ❖ Sugar & Distilleries
- ❖ Mining
- ❖ Energy Plants
- ❖ Metal Smelters
- ❖ Air-Quality Networks
- ❖ Food Industry



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Key Features

- ❖ A wide variety of gas analysers, probes, and other critical CEMS components
- ❖ System integration capabilities
- ❖ Standard connectivity options
- ❖ Configurability to measure various combinations of SO₂, NO_x, Sox, CO, CO₂, O₂, HCl, PM, continuous monitoring systems, H₂S, Flow, Opacity
- ❖ Measurement ranges for most criteria pollutants from 0 to 10 ppm to 0 to 10,000 ppm full scale

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