Continuous Emission Monitoring
An Ideal Solution for Monitoring Pollution
Continuous Emission Monitoring

We realize our social and ecological responsibility and with every new development, we emphasise our regard for the environment and the people who are a part of it.

Keeping this in mind we bring you, Continuous Emission Monitoring Systems from Forbes Marshall and Codel International, UK, a Forbes Marshall group company, who specialise in the design and manufacture of high technology instrumentation for combustion processes and stack emission monitoring.

We are part of many successful power, iron and steel, cement, chemical, pharma, pulp and paper industries. Our machines and test facilities are in line with national / international norms. This makes us the most preferred supplier to all the well known industries. With a widespread network at over 30 locations globally, we are easily accessible for prompt and efficient sales and service support.

**FMGCEM40XX**

In-situ Multi Gas Analyzer

- World class, rugged, reliable accurate, In-situ gas analyser which works 365 days a year
- IR based multi gas analyzer for CO, SO₂, NOₓ, HCL, CH₄ measurement
- No sampling / conditioning of gases, fast response
- Works on gas diffusion technique, no filter choking
- Built-in CO₂, H₂O, temperature and pressure measurement for online normalisation
- CO measurement at APH inlet or economiser outlet for boiler combustion efficiency monitoring
- Suitable for above dew point to 500°C gas temperatures
- Online calibration using audit gases
- Negligible maintenance, power consumption only 400W

**FMGCEM40E**

Closed coupled extractive multi gas analyser

- IR based multi gas analyser for the measurement of CO, SO₂, NOₓ, HCL gases
- Built-in measurement of O₂, CO₂, H₂O, temperature, pressure for online normalisation
- Closed coupled hot extractive gas analyser, no conditioning of sampled gases required
- Field mounted - no A/C rooms/ shelters required
- Suitable for wet processes
- Online calibration using audit gases
- Negligible maintenance, low power consumption
**FMDCEM21xx**
Dual Beam Opacity / Dust Density Monitor

- Unique dual beam transmissometer
- Automatic lens contamination correction
- Automatic zero and span check
- Dynamic misalignment check
- Built-in fail safe shutter
- Suitable for above dew point to 850°C gas temperatures
- Local / remote control unit
- Data in % opacity, mg/m³ and mg/Nm³
- Online keypad correction for temperature, pressure, H₂O and CO₂ / O₂
- Low maintenance, high availability
- High intensity red LED (637 nm)
- Green LED (570 nm) for USEPA compliance (USEPA compliance requires light at < 600 nm, dust measurement in mg/Nm³ requires light > 600 nm)

**EnergyTech 301**
Dust Monitor

- EnergyTech 301 dust monitor uses the well proven triboelectric sensor technology to directly measure particulate concentration by sensing the frictional charge created when particles collide with conductor, i.e metal probe.
- Accurate DC Tribo frictional electrification method
- Automatic zero and span checking
- Direct O/P available in mg/m³ or kg/hr
- Suitable for upto 5 meters stack diameter
- RS 485 modbus output
- In-situ probe 1" single port entry
- Easy installation, negligible maintenance

**VCEM 5100**
Insitu Non-contact Gas Flow Monitor

- Provides non-contact measurement of flue gas velocity using a time-delay correlation of the flue gas infrared energy sensed by two detectors spaced at a known distance apart
- IR detectors, no transmitter
- Non contact measurement
- Suitable for above dew point to 1100°C gas temperatures
- No moving parts high reliability, low maintenance
- Continuous real time measurement
- Measures gas velocity in m/sec
- Measures gas flow in m³/sec
- Integral auto low and high span value check
Clean Air - It's Your Move Now

We offer EnviroSense AQMS web based software solution for online data transmission to SPCB and CPCB servers

Soft DAS

Analyzers connected via RS485 interface and/or via analog outputs

Online data transmission to CPCB as well as to SPCB servers

Data transmission on real time basis or on File transfer protocol basis

Date and time stamping