

Process Gas Monitoring / Liquid Monitoring Systems

Examples of process monitoring applications are:

- O₂ monitoring on different levels and in different media
- CO, CH₄, CO₂ monitoring in different gas mixtures
- He, H₂, N₂, Ar purity of industrial gases
- Medical gas purity
- Oil / gas industry monitoring applications
- Heat value and Wobbe index
- Claus process feed and tail gas monitoring
- TS and H₂S monitoring in different media
- Sulphure in fuel
- Process chromatography
- Water in solvents
- Moisture monitoring in different media
- Semiconductor industry gas / liquid monitoring
- PVC plant gas / liquid monitoring
- Complex monitoring solutions for chlorine chemistry
- Complex monitoring solutions for nitrogen chemistry
- Air separation monitoring

ECM is providing analytic solutions for on-line monitoring of process gases for different applications:

Combustion process control

Fast response O₂ and CO monitoring systems

Industrial analysers for chemical and petrochemical applications

NDIR analysers for SO₂, H₂S, CO, CO₂, NH₃, HCl, CH₄ and many other gases

H₂S and Sulphure analysers for gases and gasoline

Paramagnetic oxygen analysers for different media



Industrial analysers for pharmaceutical industry semiconductor industry and clean gas manufacturers

O₂, SO₂, NO, CO, CO₂, CH₄ multicomponent analysers

Multicomponent FTIR analysers for broad range of compounds

Accurate oxygen analysers

Physical property: Dew point, Cloud point, Flash point, Distillation point, etc. analyzers

Hydrogen analyzers

Biogas monitoring

CO, CH₄, CO₂, H₂S analytic systems

Analysers for cement kiln control

CO, CO₂, O₂, NO monitoring for high temperature and dusty atmosphere

Claus process tail gas monitoring

H₂S/SO₂ monitoring in the high sulphur content Claus process tail gas atmosphere

Analysers for food industry:

O₂, CO₂ analysers for package gases

CO₂ purity analysers for beverage manufactures



Process gas chromatographs

The instruments are to monitor different gaseous compounds, which can be not measured by sampler methods

Analysers for clean gas manufacturers

Analysers for cleaners and trace level monitoring of Ar 2, O₂, N₂ and other gases

