

Process Gas Monitoring / Liquid Monitoring Systems

- O₂ monitoring in different media
- CO, CH₄, CO₂ monitoring in different gas mixtures
- Composition of process liquids
- 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
- Sulphur 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 and liquids for different applications:

Combustion Process Control

Fast response O₂ and CO monitoring systems



Industrial Analyzers for Chemical and Petrochemical Applications

IR analyzers for SO₂, H₂S, CO, CO₂, NH₃, HCl, CH₄ and many other gases and liquids



H₂S and Sulphur Analyzers for Gases and Liquids

TDL, UV spectrometry and IR spectrometry-based instrumentation including sample treatment



Oxygen Analyzers for Different Media

Paramagnetic, Zirconia, Electrochemical and TDL instruments



Industrial Analyzers for Pharmaceutical Industry, Semiconductor Industry and Industrial Gas Manufacturers

Multicomponent Analyzers for Broad Range of Compounds with Chemometric Modeling



Physical Property Analyzers for Oil Refinery Applications

Dew Point, Cloud Point, Flash Point, Vapor Pressure, Color, Opacity, Freeze Point, Pour Point, Viscosity, Distillation Curve



Hydrogen Analyzers for Percentual and Trace Concentrations

Thermal Conductivity, CRDS, Palladium Sensor based instruments



Syngas and Biogas Monitoring

CO, CH₄, CO₂, H₂S analytic systems



Probes and Analyzers for Cement Kiln Control

CO, CO₂, O₂, NO monitoring in extreme conditions



Claus Process Tail Gas Monitoring

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



Analyzers for Food Industry

O₂, CO₂ analyzers for package gases
CO₂ purity analyzers for beverage manufactures



Process Gas Chromatographs and MS instruments

The instruments are to monitor different gaseous compounds, which can be not measured by sampler methods
Analyzers with ultrafast measuring cycle time



Analyzers for Industrial Gas Producers

Purity and trace level measurement of Ar₂, O₂, N₂ and other industrial gases, ASU monitoring



Natural Gas Composition Monitors

Chromatographic and compact sensor based systems, TDL moisture and sulfur analyzer



Flare and Waste Gas Analyzers

Monitors of flow, composition and calorific value of the variable moisture, flare and waste gases from oil, gas, bio, chemical and metallurgic technologies



For detailed information on solutions of your interest we are gladly available:

ECM ECO Monitoring, a.s.
Nevádzová 5, 821 01 Bratislava
Slovak Republic

Tel.: +421 2 4342 9417
E-mail: ecm@ecm.sk
www.ecmonitoring.com