### GM32 Multi Component Gas Analyzer for SO₂, NO, NH₃ or NO₂ as well as temperature and pressure
- The **GM32** is suitable for both simultaneous and individual measurement and can be used to measure emissions and process applications such as stack CEMS, FGD and SCR applications
- **Advantages:** Easy to install, commission and maintain, remote diagnostics via modem, internal temperature measurement, normalized value output, cylinder gas audit capable
- **Applications:** CEMs, power, cement, waste incineration, process control (chemical/refining), multi-component applications such as NOₓ and SO₂, SCR Inlet/Outlet, FGD Inlet/Outlet

### GM35 Multi Component Gas Analyzer for CO, CO₂, H₂O as well as temperature and pressure
- The **GM35** is suitable for both individual measurements and multi-component measurement
- **Advantages:** Easy to install, commission and maintain, remote diagnostics via modem, internal temperature measurement, normalized value output, measured CO₂ improves GHG reduction control
- **Applications:** CEMs, combustion control, power, cement, waste incineration, process control (chemical/refining), pulp and paper

### Zirkor302 Oxygen Analyzer
- The **Zirkor302** provides fast, reliable and precise measurements of O₂
- **Advantages:** Extendable up to three O₂ sensors with one evaluation unit, output via analog signals and Profibus, no reference gas necessary, calibration gas “air” used, no measuring gas pump necessary, temperature up to 2,550°F (1,393°C)
- **Applications:** Power, cement, waste incineration, combustion control, steel, glass, process control (chemical/refining)

### GM700 Laser Gas Analyzer for NH₃, HF, HCl, O₂, temperature and pressure
- The **GM700** Tunable Diode Laser Spectroscopy (TDLS) for measurement of gas components under harsh conditions using in-situ or extractive technology
- **Advantages:** Compact design without moving parts, high spectral resolution, wave length stability, no calibration necessary, available in probe or cross-duct version
- **Applications:** Ammonia slip measurement in DeNOx plants, ammonia measurement in urea production, hydrogen chloride monitoring in waste incineration plants

### TRANSIC100LP O₂ Transmitter
- The **TRANSIC100LP** tunable diode laser spectroscopy (TDLS) for oxygen monitoring in moist and aggressive gas processes
- **Advantages:** General purpose and hazardous area versions, available in-situ probe or extractive sampling options
- **Applications:** Inert gas blanketing, O₂ levels in process and fuel gases, replacement of extractive O₂ analyzers, vent recovery systems

### GM901 CO Gas Analyzer for Process Control
- The **GM901** CO analyzer provides instant, non-contact measurement for process control
- **Advantages:** Easy to install, commission and maintain, easy operation directly on the evaluation unit, measured value, measuring range and limit value can be directly read, high dust with gas permeable probe
- **Applications:** CO measurement, power, coal processing, cement, waste incineration, paper, steel, chemical
**MERCEM300Z Continuous Monitoring of Mercury in Flue Gases**

- **Advantages:** Meets EPA PS 12A and Part 63, Subpart uuuuu, detects elemental and ionic mercury, very low detection limits: no spectral cross-sensitivity, maintenance intervals greater than 3 months
- **Applications:** CEMs, power, cement, waste incineration, mining

**MCS100E Multi Component Analysis Systems for Flue Gas Monitoring**

- **Advantages:** Meets EPA CFR Part 60 and 75, automatic zero and test gas feeding, reliable, proven system, low maintenance, multi point sampling available
- **Applications:** CEMs, power, cement, waste incineration, steel

**MKAS Multi Component Analysis Systems Customized for Individual Applications**

- **Advantages:** Meets EPA 40 CFR Part 60 and 75 requirements, accuracy and low drift; start-up and automatic system shut-down controlled by a system controller, GMS810 or SIDOR modules
- **Applications:** Power, cement, waste incineration, steel

**GMS800 Extractive Gas Analyzers**

- **Advantages:** Accurate and proven system, available in three types of enclosures to fit your application: 19” rack mount, general purpose, wall mount; explosion proof versions available
- **Applications:** CEMs, power, cement, waste incineration, coal silos and mills, process control (chemical/refining), ammonia or urea production, steel

**MCS300P Multi Component Process Analyzer**

- **Advantages:** Sample cuvettes for corrosive, aggressive sample gases, process cuvettes with integrated protection, robust system with hot measurement method, short reaction times
- **Applications:** Raw gas for control of exhaust gas in purification plants, such as waste incineration and multifuel furnace plants
**DUSTHUNTER Particulate and Opacity Monitor Series**
- The DUSTHUNTER determines opacity and particulate concentration in dust laden gas
- **Advantages:** In-situ technology, automatic contamination correction of optical surface, automatic check cycle, automatic built in linearity check, meets EPA PS 1 and PS 11
- **Applications:** Power, cement, waste incineration, chemical, petroleum, chemical, plastics, fertilizer

**SIDOR Photometer Gas Analyzer for up to 2 infrared components plus O₂**
- The SIDOR with NDIR technology to measure CO, NO, SO₂, CO₂, CH₄, N₂O and O₂
- **Advantages:** Fully automatic, low maintenance, high selectivity and measuring sensitivity, automatic readjustment with component free ambient air, <2% drift per quarter
- **Applications:** CEMs, power, cement, landfill gas, waste incineration, chemical

**GME700 Laser Gas Analyzer for NH₃, HF, HCl, O₂**
- The GME700 Tunable Diode Laser Spectroscopy (TDLS) for measurement of gas components under harsh conditions using in-situ or extractive technology
- **Advantages:** Hot/wet analyzer, drift and calibration free, easy integration into existing extractive systems, high spectral resolution, very low measuring ranges
- **Applications:** Power, waste incineration, cement, DeNOx plants, glass, steel, automotive, petrochemical, chemical, plastics, fertilizer

**Dust Measurement**

**FWE200 DH Dust Concentration Monitor**
- The FWE200 DH next generation of wet stack PM CEMS
- **Advantages:** Modbus, ease of maintenance and remote HMI
- **Applications:** PM CEM requirements in power, cement, waste incineration

**Mining**

**MINESIC100 Collision Awareness and Loading Assistance**
- The MINESIC100 SERIES for Collision Awareness and Loading Assistance for mining vehicles
- **Advantages:** Laser based system, not limited by speed, can be installed on only one vehicle at a time, systems for trucks, excavators and wheel loaders
- **Applications:** Surface mines
FLOWSIC100 Volume Flow Measurement

- The FLOWSIC100 ultrasonic flow measurement for emission monitoring and process applications
- **Advantages:** Purged air versions for sensor cleaning and cooling to 840°F (450°C), meets EPA 40 CFR Part 60 and 75 requirements, titanium transducers standard, sender/receivers can be replaced separately
- **Applications:** CEMs, power, cement, waste incineration, process control (chemical/refining), steel

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FLOWSIC100 Flare Measurement

- The FLOWSIC100 Flare ultrasonic flow measurement for flare applications
- **Advantages:** Measures under very low and very high flow conditions, retractable versions, cross duct, single probe or multi-path options, hot tap kit, fast response times, Class 1 Div. 1 and Class 1 Div. 2
- **Applications:** Ex-zone CEMS, flare gas installations, refineries

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FLOWSIC600 Ultrasonic Gas Flow Measurement

- The FLOWSIC600 Ultrasonic Gas Flow Meter for custody transfer and process applications
- **Advantages:** Automated alarming of all diagnostics, new software and firmware, meter sizes from 2”-48”, suitable for natural gas, process gases, N₂, O₂, H₂, CO₂, H₂S, ethylene, etc., no pressure drop, high accuracy, no flow restrictions, +/- 0.1% accuracy with 4-path after flow calibration
- **Hazardous area:** Class 1, Div. 1, groups B,C,D T4; Class 1 Div. 2, Groups A,B,C,D T4
- **Applications:** Gas industry, custody transfer metering, specialty gases, power, chemical, cement

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FLOWSIC500 Ultrasonic Gas Meter

- The FLOWSIC500 Custody Transfer Measurement in Natural Gas Distribution
- **Advantages:** permanent diagnostics operational check, rugged and reliable without moving parts, replaceable cartridge, straight inlet/outlet piping not required, overload-proof, optional integrated volume correction data registration, battery or intrinsically safe power supply
- **Applications:** Local Distribution Companies (LDC) market, measuring stations in industrial and commercial applications, applications where continuous gas supply must be ensured

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FLOWSIC150 Carflow Ultrasonic Measurement System

- The FLOWSIC150 for measurement of exhaust gas volume flow rate on roll and engine test stands
- **Advantages:** Direct, non-contact measurement, real-time measurement, simple installation with quick release connections, very high measurement accuracy even at low gas velocities
- **Applications:** Automotive industry, engine laboratories

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FLOWSIC60 Ultrasonic Air Velocity Meter for the Mining Industry

- The FLOWSIC60 measurement across the entire tunnel cross section
- **Advantages:** Safe operation by intrinsically safe measuring system, continuous automatic air flow measurement, reliable results by measurement across the entire tunnel cross section, integrated self-diagnostics, flexible mounting positions and simple electrical installation, low maintenance
- **Applications:** Air flow measurement in explosion proof areas, measurement of the supply and exhaust air in mines, ventilation monitoring and control in mining shafts and tunnels