300 HC / 300 CO
Digital gas detectors for HC or CO with programmable alarm settings

Main features:
- AA battery operated
- Light and small
- Big and bright display
- Interface for external printer
- Menu guided software and function keys
- Programmable alarm settings
- Visual and audible alarm

DM 9200
Digital microprocessor-controlled manometers with multiple ranges and functions

Main features:
- AA battery operated
- Light and compact
- Big and bright display
- Interface for external printer
- Selectable meas. units
- Menu guided software and function keys
- Piezoelectric sensor
AMPRO 1000
O2 and CO handheld analyzer

- Touch screen display
- MSM sensor technology for field replaceable sensors
- CO measurement 0 - 4,000ppm / 10,000ppm
- CO ambient measurement
- Gas temperature measurement
- Combustion air temperature
- Stack / Differential pressure
- Differential temperature measurement

AMPRO 2000
Up to 7-gas handheld analyzer

The AMPRO 2000 is a true 7-sensor handheld emission analyzer which can be equipped with up to 6 electrochemical sensors and a CO2 NDIR-bench.

- Rugged, ergonomic design
- Easy to read 3.5" color display

- Advanced water-removal and filtration
- Mini-USB interface for data transfer & battery charging
- IR interface for external printer
- Internal data storage for up to 16000 measurements
- User-friendly software
- Rechargeable battery for up to 15 hours operation
- Integrated SD card reader
- Stainless steel gas and pressure connectors
- OPTIONAL Bluetooth for wireless data transfer
**NOVA compact**
High-tech, innovative flue gas analysis

- Fast and accurate measurements for all gas, oil and solid fuel applications
- HIGH capacity condensate separator / OPTIONAL gas cooler
- Built in thermal printer
- Rugged transport case
- Suitable also for CHPs (cogeneration heat and power engines)
- Differential temperature measurement
- Differential pressure measurement
- Flow velocity measurements

**NOVA plus**
SIMULTANEOUS MEASUREMENT OF UP TO 8 gas components

- Includes remote control unit (RCU) for wireless analyzer operation
- OPTIONAL multi function RCU

- HIGH capacity condensate separator / OPTIONAL gas cooler
- Built in thermal high speed printer
- Rugged transport case
- Suitable also for CHPs (cogeneration heat and power engines)
- Differential temperature measurement
- Differential pressure measurement
- Flow velocity measurements
- Lithium-Ion battery in RCU and base unit
VARIO plus Industrial
SIMULTANEOUS MEASUREMENT OF UP TO 9 gas components

Suitable for industrial applications using combined infrared technology and electrochemical sensors.

- Integrated gas cooler and
- High speed printer
- Many available OPTIONS
- Heated sampling line
- 4-20 mA output

VARIO plus SYNGAS
Long-term process gas analysis for specialty gases

Suitable for semi-continuous measurements of “syngas” including the following applications:
- Steel industry: coke oven gas, blast furnace gas
- Biomass or coal catalytic oxidation (gasification)
- Waste gasification process, plasma gasification process
- Steam reforming of liquid hydrocarbons (refinery gas etc.)
- Flare gases
- Research ... and others
MGA 5

PROFESSIONAL AND PORTABLE
MONITORING OF PROCESS GASES

Portable and continuous infrared measurement of different gases make this unit ideal for a wide range of applications.

Continuous process gas, emissions and combustion monitoring is now available in a high accuracy, portable analyzer.

MGA 5 plus

RELIABLE, PORTABLE MONITORING
OF EMISSIONS

High-quality, mobile NDIR MULTIGAS ANALYZER for emissions monitoring and combustion analysis.

The high-quality infrared modules allow the detection of even low gas concentrations.

To maximize the portability and flexibility of the MGA 5 platform, we include two carrying cases.

Analyzer and gas conditioning are placed in separate carrying cases.
**OMS 420**

IN-SITU real time analysis oxygen (O2) and combustibles (COe)*

**Measurement principle**
Oxygen (O2) = ZrO2 zirconium dioxide
COe (combustibles) = heated solid electrolyte
* total of flue gas combustibles (CO + H2 + CxHy)
displayed as equivalent COe
(now also available for hazardous area zone 2)

**DM 401**

Dust monitoring system
double pass transmission measurement

Measures 0 ... 100 % opacity
or 10 ... 1,000 mg/m3 dust (*)
(* after on site calibration according to VDI 2066)
SWG 100 CEM

Continuous emission monitoring

- Accurate measurements, including plug & play pre-calibrated sensors, easy field replaceable
- Up to 6 gas measurements for O2 - CO - NO - NO2 - SO2 - CO2
- No dilution of sample gas is required, MRU sensor management technology

- Direct and continuous/discontinuous measurement, with pressure and temperature compensation
- Peltier electric gas cooler with automatic condensate draining pump
- Automatic zeroing using clean ambient air and automatic calibration with cylinder mixture gas
- Internal sample flow monitoring and alarm for filter clogging
- Ready to run delivery, minimum installation work

SWG 200-1

Cost-effective analysis technology in a compact design.

- Economical and efficient
- Both infrared modules and electrochemical sensors are used in the SWG 200-1
- This multi-gas analyzer is appropriate when cost-effective solutions are required for a fixed emissions system
- The compact package uses IR modules and electrochemical sensors to continuously, selectively, and precisely measure gas components in ppm and % ranges (high and low concentrations)
SWG 300-1

COMPLETE CEM SYSTEM

EMISSIONS MONITORING

PROCESS GAS

OPTIMIZATION

PRECISE -

POWERFUL AND

EFFICIENT

- Ex-zone2 (special model)
- Up to simultaneous 7 gas components
- Up to 5 automatic sampling points (switching)
- Weather proof enclosure IP 65
- Complete / partial air conditioning
- Automatic calibration with test gases
- Easy to service and maintain
- Customized solutions on request
OPTIMA 7 - BIOGAS
For biogas and engine exhaust gas measurement

- Simultaneous measurement of up to 4 (max. 7) gases
- Biogas measurement: O2, H2S, CH4 and CO2
- O2 measurement 0 - 25.00%, using long-life sensor
- Biogas / differential pressure measurement (0 … +/- 300 mbar)
- Battery and grid power operation
- Internal data storage for up to 16000 measurements
- Mini-USB interface for cable data transfer to PC and battery charger connection

NOVA plus BIOGAS
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- Battery and grid power operation
- Internal data storage for up to 16000 measurements
- Mini-USB interface for cable data transfer to PC
- Built in high speed printer
- OPTIONAL electric Peltier cooler
**SWG 100 - BIOGAS**

For biogas measurement

- Accurate measurements, including plug & play pre-calibrated sensors, easily field replaceable
- No dilution of sample gas is required
- Direct and continuous/discontinuous measurement with pressure and temperature compensation
- Multiple sampling point monitoring (up to 10 sites monitoring) with one analyzer
- Standard system safety included with continuously monitored cabinet ventilation fan
- Ready to run delivery, minimum installation work

**SWG 100 - BIOGAS compact**

For biogas measurement

- Cost effective stationary biogas analyzer
- Accurate measurements, incl. plug & play, pre-calibrated sensors
- Safety in use with gas flow restrictor orifice at gas inlet and ventilation
- Sampling from low suction up to high pressure gas
- Sample gas conditioning for fast and reliable measurements
- No dilution of the sample gas, nor use of compressed air is required
- Discontinuous measurement, user settable up to 24 measurements per 24 hours
- Up to 2 sites monitoring (time sharing technique) with only 1 analyzer
- IP 54 cabinet for use in harsh environment