



# Products Catalogue

## **GAS DETECTOR**

For Safe Life

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Bazingold Group's Enviro Division is a leading provider of turnkey air quality management solutions across Southern Africa. With a strong foundation in environmental compliance, industrial innovation, and operational reliability, we deliver end-to-end services that safeguard health, enhance productivity, and support sustainable development.



## New Published Equipment

### Area Gas Monitoring System



PTM600-S



MIC600-S

- Designed for gas detection units group to ensure workers' safety on a defined area
- Can detect from 1 up to 24 gases simultaneously
- Works with MS series and MIC series gas detectors as a wireless interconnection system
- Wireless transmission mode: WiFi, LoraWan, 4G
- Wireless Communication interface: Lora, LoraMesh, Mesh, Bluetooth Protection level: IP66
- Android operating system
- Smart gas detection module design, plug-in and play function Support OTA remote technical support service

### Diffusion & External Pump Gas Detector



MS104K-M

- Works as diffusion and pumped type with external pump
- Could test up to 6 gases in one single equipment
- Designed for regular leak checks in gas storage areas, piping, or in confined spaces prior to entry
- With pump clogging alarm function
- IP66 protection level
- Support computer data transfer
- Small size: 90x70x38mm
- Light weight 200g

# Portable Gas Detector

Diffusion Type

## Maintenance-free Gas Detector



MS104K-S1

- IR sensor for CO2, LPG, LNG, LEL and other toxic gases
- 2 years battery life from first activation
- IP68 protection level with Atex certificate
- Light, Sound & Vibration alarms, 90dB @30cm

## Personal Gas Detector



MS104K-S

- Compact gas detector equipped with belt and wrist strap
- Audible, visual and vibrating alarms
- Measurement data storage: 20,000 pieces
- Small Size:77\*68\*35mm, 150g light weight,
- Rechargeable battery, at least works 4 months per charge

## Personal Gas Detector



MS400S

- Intelligent digital sensor module, plug-in and play function
- With built in pump, also support diffusion sampling type, with different sampling probe for multi operation
- Audible, visual, vibrating and man-down alarms
- IP68 protection level
- Support multi types wireless communication



# Portable Gas Detector

## Pump Type

### Single Gas Detector



MS104K-L

- Could switch between diffusion and pumped type
- %VOL, %LEL, mg/m<sup>3</sup>, ppm, ppb multiple units available
- Sound and light alarm
- USB interface to support charging and data transfer
- IP66 protection level

### 4 Gas Detector



MS400

- 1 to 4 sensor pumped multi gas detector with IP65 level
- Support toxic, VOC and combustible gases detection
- Audible, visual, vibration and fell-down alarms (optional)
- Device management with GMMS computer software
- Works with different probes for multi-application

### 5 Gas Detector



MS500

- Simultaneously detect up to 5 gases with IP66 level
- Detects combustible gases, toxic, asphyxiating and VOCs
- Displays real-time measurements in ppm or % by volume
- Support multi communication interface: USB, Modbus, LoRa, NB-IoT etc



## Portable Gas Detector

Pump Type

### 6 Gas Detector



MS600

- Designed for use in extreme industrial environments
- Simultaneously monitor up to 6 gases
- Continuous data logging for 100000 pieces
- Audible, visual, vibration and fell-down alarms (optional)
- Works with different probes for multi-application

### Portable Flue Gas Monitor



MS600-FG

- Two measurement cells for O2 and CO
- Designed for the basic testing and tuning of all types of boilers, heater or furnaces
- Combined analysis, temperature, pressure, combustion efficiency and a host of other calculations and functions

### Handheld Air Quality Monitor



MS600S-AQI

- Touchable 5 inch screen with Android operation system
- 16 Gb big storage function
- With WIFI wireless data transfer function by default
- Support gases, particles and weather station detection
- IP68 protection level



# Portable Gas Analyzer

Multi Function Type

## Portable Multi-Gas Analyzer



PTM600-MG

- Multi-gas analyzer for 1-18 gases, customized for 24 gases
- Equipped with wireless communication capability
- Device management with GMMS computer software
- Suitable for field measurements and also for laboratory application

## Portable Biogas Analyzer



PTM600-Bio

- Analysis of gas mixtures in biogas plants, landfills and sewage treatment plants
- IR sensors for measuring CH<sub>4</sub>, CO<sub>2</sub> & CO
- EC sensors for measuring O<sub>2</sub>, H<sub>2</sub>S and optional H<sub>2</sub>
- Device management with Zetron Eranntex software
- Datas could be stored, printed and transferred to PC

## Exhaust Gas Analyzer



PTM600-FG

- Rugged and sealed housing for harsh-able usage
- Built-in the pump, filter and electric cooler for high temperature application
- Up to 12 gas emission measurements
- With different high temperature and length probe, up to 1300 degree C temperature



## Remote Gas Detector

### Remote Methane Laser Detector



ZW-G100L

- Upto 200 meters detection distance
- 1ppm.m resolution
- 2 laser points
- Optional red dot aiming for harsh environments
- 0.01s response time
- IP65 protection level

### Flame Gas Detector



MIC200 series

- Offers a full range of IR3 and UVIR flame detectors
- Suitable for fires of hydrocarbon-based fuel and gas fires
- With a wide range of accessories including flame simulator test lamps, air shields and weather covers
- Quick alarm, long distance, wide viewing angle

### Automatic Methane Leakage Monitoring System



ZW-G100P

- Designed to perform a 7 x 24 methane leakage detection in
- Gas Plant, LNG facility
- Max detection radius up to 150m, square cover for 70000m<sup>2</sup>
- Response time less than 0.05s
- 360° horizontal & 180° vertical gimbals, the monitoring range

# Online/Fixed Single Gas Detector

## Fixed Single Gas Detector Without Display



MIC300

- For combustible explosive gases (hydrocarbons, solvents, alcohols), toxic, asphyxiating and refrigerant (freons, HFO, CFC, HFC) gas leak monitoring
- Support 4-20mA and RS485 output
- Widely suited for industrial applications

## Fixed Battery Combustion Gas Detector



MIC300S

- Low-power gas detector especially for combustion detection
- Support 4- 20mA, RS485, support NB-IOT, 4G, LORA, 433MHz wireless transfer to the online platform
- IP67 protective level
- Suitable for the dangerous area, battery power supported for the wireless connection

## Fixed Single Gas Detector With Display



MIC500S

- Capable of detecting explosive, toxic or asphyxiation (lack of oxygen) gases
- With IR controller or Magnetic bar for non-intrusive operation
- 3-wire system: 4-20mA, Hart, relay output, RS485
- Free PC software provide with the monitor, support data transfer and monitoring.

## Online/Fixed Multi Gas Detector

### Maintenance-free Magnetic Gas Detector



MIC600-L

- Compact gas detector with 5-year sensor & battery lifetime
- Quite lower consumption smart gas sensor
- Magnetic type make it easily to install, suitable for the place or area without power supply
- Support NB-IOT, 4G, LORA and other wireless signal transfer
- With free PC software, easy to check the measuring results

### Fixed Multi-Gas Detector



MIC600

- IP68 protection level
- Simultaneously monitors up to 6 gases
- With infrared remote controller for non-intrusive setting
- Work with external pump and different sampling adapter for multi applications
- Support 4G, Wifi, Lora and etc wireless data transfer

### Fixed Single Gas Detector With Display



MIC600-S

- Detect 1-6 gases for mobile or temporary work applications, team protection, area surveillance, or places where fixed detection systems are not suitable
- Rechargeable battery support 150 hours operating time
- Enable to receive and view the measured data and alarms outside the danger zone



## Gas Detection Controller

### Gas Detection Controller



MIC2000

- Digital gas detection controller that can manage up to 32 channels / 256 type MIC series gas detectors
- With 6-line backlight colorful LCD screen
- Support 16 relays output
- With data storage function
- With free PC software, support work with PLC

### Gas Detector Controller



MIC3000

- Channels: 32 channels at the most, support 256 gas detectors
- RS485 input
- 16 values per page, touchable colorful display
- Units available: PPM, LEL%, Vol%, mg/m<sup>3</sup>, ug/L, PPHM, ,
- RH%, Pa, kg, PSI, m/s
- Communication Interface: 4- 20mA, RS485, 16 replay cards for the control systems

### Atex Gas Detection Controller & Panel



MIC2000-ex

- Adopt wall-mounted structure
- IICT6 explosion-proof grade
- According to the online detector set alarm models, one probe can control three groups of relays
- With data recording function
- Light & sound alarm

# Continuous Emission Monitoring System

## Gas Pretreatment System



TH1000

- Used for industrial production process with humidity and dust environment
- With water and dust filtering system to prevent the detectors
- Widely used in petroleum, chemical, metallurgy, refining, gas transmission and distribution, biochemical medicine and other industries
- Works within the temperature of 600°C

## Online Gas Analysis System



TH2000

- Most popular style of cabinet with powder-coated steel enclosure
- Door window contains the display and any other components
- Sampling Distance: up to 40 meters, 20m therm protection control system
- Filtration: 3-grade filtration, defiling, deducting, drying
- Gas Temperature: Up to 1300°C
- Operation System: Linux

## UV-DOAS CEMS



DOAS-3000

- Principle: DOAS (Differential Optical Absorption Spectroscopy)
- Integrated system to measure fuel flow, dust, and concentrations of air pollutants
- Standard pretreatment temperature is 800 , which can pretreat flue gas at 2000
- Suitable for power plants, steel plants, cement plants and other industrial application emission gas monitoring.

# Maintenance-free Gas Detector

## Onsite Air Quality Monitoring Station



TH2000A

- Measures metrological parameters such as wind speed, wind direction, rainfall, radiation, temperature, barometric pressure and ambient air pollutants
- Measured data can be remotely monitored and exported in various formats to the local central authorities
- Integrated GPRS communication technology, realtime monitoring on the cloud platform
- Communication Interface: RS485 Modbus, 4G LTE optional

## Online Gas Analysis System



PTM600-AQI

- Used for air quality measurement up to 30 pollutants with ppb accuracy
- Metrological Detected: Wind speed & direction, Pressure, Noise, Temperature & Humidity, Rainfall, illumination
- 100000 pieces data storage recordings
- Datas could be download to PC with GMMS software
- With internal printer for instant data printing
- Communication Interface: USB (standard), (RS485, WIFI, NB-IOT, 4G, Lora supported and optional)

## CONTACT US

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