Gas Alarm

ALVI
AUTOMATION
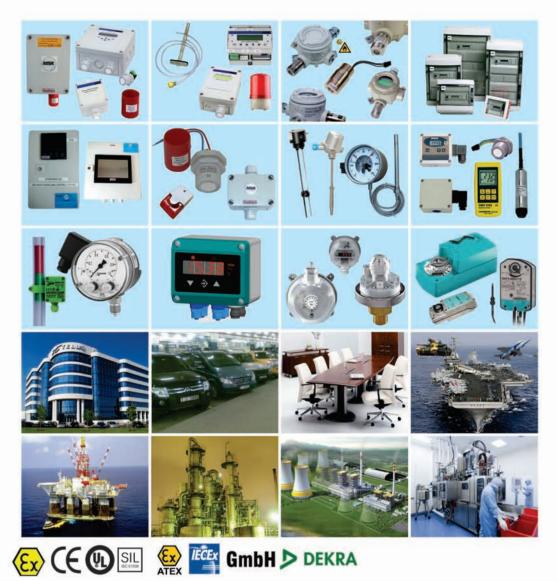

Ex CE UL SIL IEC 61508 Ex ATEX IECEx GmbH ▷ DEKRA

Process Gas Analysers

Car Park CO / NO$_x$ Monitoring

Pollution Air Quality Monitoring

Toxic & Flammable Gas Monitoring

Very Early Fire & Smoke Alarm (VEFSA)

Process Instrumentation (Safe & Ex-proof)

Damper Actuators (Multi-Turn, Quarter-Turn)

Liquid Level & Leakage Detection

HVAC&R Sensor (Pressure, Temp, Humidity, Flow, Level)

Gas Sensors / Transmitters / Analysers / Dataloggers

Make : MSR Electronic, Germany

For All Toxic, Flammable/Explosive, Refrigerants, Oxygen, Gas Monitoring for Safe & Explosion- Proof Area Application (ATEX, IEC Ex, SIL 2) Certified.

Gases : CO, CO_2 , NO_2, LPG, CNG, H_2, N_2O, O_2,O_3, Hydrocarbons, NH_3, H_2S, Cl_2,SO_2 , HCN, HF, ethylene, VOC, Air Quality, and other Toxic & Flammable gases.

Measuring Range	: ppm for toxic, %LEL for Combustibles, %Volume as per client specifications
Key Features	: Long term stable, no poisoning, faster response, QUICK RECOVERY TO ZERO ; Short-circuit / reverse polarity protected. Gel based Electrolyte(no Leak). Plug-in sensor and PCB for ease of service and replacements, MODULAR Design.
Enclosure Options	: IP30/Weather-proof (IP65)/Duct Mount/Stainless Steel/Metal
Output Options	: 0(4)-20mA/0(2)-10V/RS485/ModBus/BAC-net/LON
Options	: Datalogging, Integrated Relays, Alarm LED's, LCD Display, Suitable for On-line continuous process monitoring / sampling (Analyser Applications)

Indoor/Outdoor Air Quality Sensor/Portable Sensor / Smart Monitoring & Control System

Make : GasAlarm, Australia

For All Toxic,Flammable/Combustible Gas Sensor, Temp, %Rh, pressure, Dust with smart PLC-HMI or Processmonitoring system for BMS integration or Centralized control monitoring system and Standalone display control system.

Gases & Dust : Co, Co_2, VOC, TVOC, SO_2,O_3, NOX, PM205, PM10, air quality and other toxic & Flammable/Combustible gases.

Measuring Range	: PPM (toxic gases), % LEL(Flammable/Combustible gases)μ g/m3(PM205, PM10, %RH, OC, mg/m3, % volume as per client specifications
Key Features	: Sensor cell with hydrophobic filter, No orientation problem, NDIR ABC logic for CO2 sensor, Password protected, RS-485 Modbus, Ethernet, Relay output, Re-Transmission, Bluetooth wireless, Operating voltage 220/230VAC or 24 VDC, Fully pre- programmed and ready to install, continuous monitoring, Alarm reset, Cyclic Timer, Smart HMI, battery backup, tower or MLD-95A Alarm with siren.

Gas / Process Controller / PLC

Make : MSR Electronic, Germany

For Control & Monitoring of Gas, Pressure, Temperature, Flow and other Field instruments.

Channels Inputs	: Analog Inputs (4 / 8 / 12 / 16 / 20 / 24 / 28 / 32), Digital Inputs (upto 98)
Relay/Digital Outputs	: 4 / 8 / 12 / 16 / 20 (Potential-Free, 5A)
Key Features	: LCD Display (HMI), Simple configuration with logical system menu in plain English, having full flexibility and password protection. Four free adjustable alarm thresholds for each transmitter, with analog re-transmission, with digital inputs

Very Early Fire / Smoke Alarm (VEFSA) Detector

Make : MSR Electronic, Germany

For Detection & Monitoring of earliest stage of Fire & Smoke (Products of Combustion Gases)
With enhanced CO radical detection capability for detection of Non-visible smoke, shouldering fire, CO+ gas radicals

Operating Principle	: Detection of CO^+ (Gas radicals are generated even before invisible smoke is produced).
Key Features	: Very advanced fire / smoke detection system, unaffected by dust, vibration, temperature, humidity & other environmental factors.
Ideal For	: Pharmaceuticals, Cement, Steel Plants, Coal Handling Plants, Coal Mines, Nuclear Power Plants, Automobiles & other industries.

Electric Actuators (Quarter-Turn, Multi-Turn)

Make : Joventa, Germany/Frakta

For Flow Control for Dampers (Air, Smoke, Fire) & Valves.

Torque Range	: 2-32 Nm (Joventa), 8-52 Nm(Safety Drives)
Operating Type	: On-Off/ modulating (voltage/current control signal)
Key Features	: With/without spring-back, with/without aux.switch, IP54 / 66 / 68 Protection Housing, with/without explosion proof options, feedback potentiometer
Ideal For	: HVAC, Building, Pharmaceuticals, Cement, Steel Plants, Power Plants, Oil & Gas & other industries.

Process Field Instruments

Make : Fischer Messtechnik, Germany

For Differential Pressure, Pressure, Level, Flow & Temperature monitoring in all type of Industries & Applications

Parameters/Range	: Differential Pressure (0-2.5mbar to 0-40 bar), Pressure (0-25mbar to 0-600 bar), Temperature(-50° to +600°), Level (0-250meter), Flow.
Instrument Type	: Gauge, Switch, Transmitter, Well probe, Thermocouple, Thermowell
Media Type	: Air, Clean Gas, Non-Corrosive Liquids (water, milk, oils etc), Corrosive liquids (diesel, Hydrocarbon, Chemicals, Furnace oils etc), conductive / non-conductive liquids
Key Features	: Robust & rugged design, IP65 / 67 protected housing, High accuracy, Microprocessor based measurement processing, Vibration resistant, High repeatability, Liquid filled (optional), Overload protection, Industrial grade design
Approvals	: ATEX certified (Explosion-proof version), SIL 2 certified, CE, IEC 61508, GL certified , Marine grade
Application	: Heavy Engineering Industries, Power Plants, Cement, Shipping, Nuclear Plants, Coal Mines, Steel, Automobiles, Oil & Gas, Paper Industries, Clean-room, Pharmaceutical, Biomass.

Level & Leakage (Liquid) Detection

Make : Jola, Germany

Instrument Type	: Magnetic Float Switch, Immersion Probe, Magnetic Switches, Level Controller, Level Electrodes, Leakage Electrodes, Cable Electrodes.
Media Type	: Non-Corrosive Liquids (water, oils etc), Corrosive liquids (diesel, Hydrocarbon, Chemicals, Furnace oils etc), conductive / non-conductive liquids
Key Features	: Robust & rugged design, IP68 protected housing, High accuracy, High repeatability, Industrial grade design, Media -resistant material.
Approvals	: ATEX certified (Explosion-proof version), CE, Marine grade.
Application	: Heavy Engineering Industries, Power plants, Cement, Shipping, Nuclear Plants, Coal Mines, Steel, Automobiles, Oil & Gas, Paper Industries, Clean-room, Pharmaceutical.

Measuring, Controlling, Regulating, Instruments

Make : Greisinger, Germany

For most cost effective measuring solutions.

Parameters	: Infra-Red Temperatue, non-contact temperature, Residual oxygen, water level, dissolved oxygen, pH measurement, Redox, conductivity & many others.
Instrument Type	: Portable, Fixed Systems
Key Features	: Economical, German Quality & Reliability.
Application	: Temperatur, Pressure, Humidity, Gas, pH, DO, Redox, Liquids, Flow, Humidity/temp, Flow Rate, Rotational, Level, Conductivity, Pressure & Many others

Differential Pressure Switches / Transmitters

Make : Beck Sensor, Germany

Parameters	: Differential Pressure, Pressure, Over Pressure, Vacuum Pressure, Air Flow, Air Velocity.
Instrument Type	: Switches, Transmitters.
Media Type	: Air and Clean Gas (Model : 930, 984m), Corrosive & Non-Corrosive Liquids (Model: 901)
Application	: Filter Status Monitoring, AHU Status, Pump Status etc. in ventilation, Clean Rooms, Power Plants, Steel, Automobiles, Pharmaceutical etc.

MSR Germany Indian Customers (Typical)

Our Prestigious Clients

Zydus · EMERSON Climate Technologies · DENSO · ETA · Systemair · LG · NTPC · P&G

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IAF INTERNATIONAL ACCREDITATION FORUM · JAS-ANZ
AN ISO 9001:2015 CERTIFIED COMPANY
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Gas Alarm

MSME Micro, Small & Medium Enterprises

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