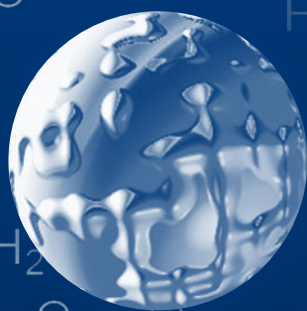


Reliable Gas Detectors

gazex[®]



SHORT CATALOGUE 6'11

www.gazex.com

Gas detectors DEX® DG DDG

Ex – Explosion-proof type According to ATEX Directive			Standard type splash-proof housing		
DEX-1...	DEX-P1...	methane, LPG	DG-1...	–	DDG-1...
DEX-2...	DEX-P2E...	carbon monoxide	DG-2...	DG-P2E...	DDG-22
DEX-3...	DEX-P3...	solvents	DG-3...	–	–
DEX-4...	DEX-P4...	ammonia	DG-4...	DG-P4E...	–
DEX-5...	DEX-P5E...	hydrogen sulfide	DG-5...	DG-P5E...	–
DEX-6...	–	Freons	DG-6...	–	DDG-61
DEX-7...	DEX-P7...	hydrogen, acetylene	DG-7...	DG-P7E...	–
DEX-8...	DEX-P8R	argon, helium, CO ₂	DG-8R...	–	–
DEX-9E...	DEX-P9E...	oxygen	DG-9E...	DG-P9E...	–
–	–	toxic: NO _x , SO ₂ ,...	DG-0E...	DG-P0E...	–
▲	▲		▲	▲	▲
two-threshold version	4-20 mA version		two-threshold version	4-20 mA version	two-threshold RS485



The DEX®, the DG and the DDG series are stationary toxic gas, explosive gas or oxygen detectors. They are designed to detect and indicate concentration levels harmful or dangerous to humans. Models DEX/F and DEX/P may operate in potentially explosive atmospheres. DEX® type detectors are housed in flame-proof type enclosures, are certified by the Main Institute of Mining (Notify Body CE 1453) and comply with the requirements of the ATEX Directive in the application area Ex II 2 G.

Models DEX/F and DG/F have two-threshold logic interface. Models DEX/P and DG/P have 4-20mA standard interface. DDG type detectors are equipped with RS485 interface with MODBUS RTU protocol.

Selected detectors are available with semiconductor, catalytic, thermal conductivity, electrochemical or Infra-Red sensors. The gas sensor modules in detectors can be easily swapped, without removing detector from the site, thus resulting in substantial REDUCTION of the operating cost of a detection system!

Modular design of the DEX® and the DG detector based systems, simple connections, no need of calibration at the installation site result in extremely simple and fast planning and installation.

EXCHANGEABILITY OF SENSORS = INEXPENSIVE OPERATION FOR MANY YEARS

Each detector comes with an individual certificate issued by GAZEX Calibration Laboratory operated under EN ISO/IEC 17025 standard.

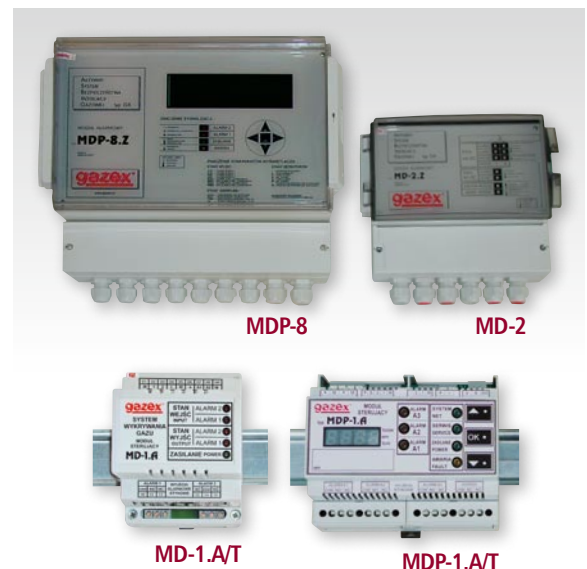
Control Units MD-1 / 2 / 4 / 8 / 16 MDP-1 / 4 / 8 / 16

MD series Control Units are designed to:

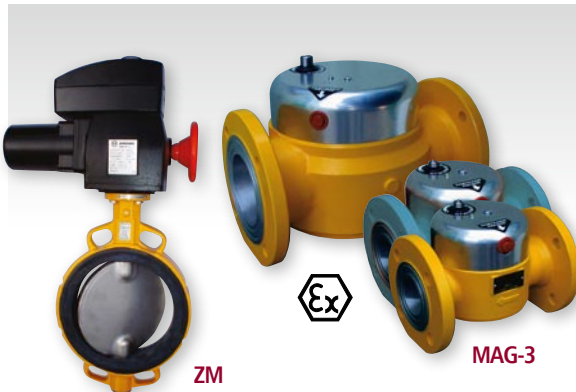
- power supply for two-threshold, DEX/F and DG/F type detectors
- visually indicate detector alarm condition
- check wire connections to detectors and their power supply
- control external devices like automatic cut-off valves, other solenoid valves, fans, contactors, etc.
- control external visual or sound signaling devices
- communicate with data transmission or data logging systems via RS485/232 or GPRS.

The MDP series Control Units have all the above features and are designed to work also with DEX/P and DG/P type detectors equipped with 4-20mA standard output.

MD-1.A/T and MDP-1.A/T are single channel Control Units for two-threshold or for 4-20mA output detector (for mounting on DIN rail).



GX Automatic Gas Safety System



The GX system consists of the DEX[®] detectors, the MD...Z control unit and the MAG-3 type cut-off valve and is designed to eliminate gas explosion hazard in any room equipped with gas system. Detection of gas concentration exceeding the permissible level results in actuation of the gas detector and instantaneous signal to the valve that will automatically cut off gas supply to the system. The valve may be opened again only manually, thus intentionally. The cut-off valve is independent of external power supply. The MAG-3 valve can be used in potentially explosive atmospheres, according to ATEX Directive, Ex II 2 G cT4. It can be used in gas fired boiler-rooms, public utility buildings, gas distribution stations, domestic gas fired boilers and facilities equipped with gas fired water heaters or gas cooking ranges. A system equipped with ZM butterfly valves of nominal diameters 125–500 mm (flangeless throttling valves with electric actuator) has been designed for large gas consumers.

Garage Ventilation Controllers WG.EN WG.NG DG.EN



The WG type microprocessor controlled CO or LPG or CNG detector is a stationary, single-unit device, featuring EXCHANGEABLE gas sensor, power supply unit, visual and sound alarm and external equipment controller. It is designed for continuous monitoring of carbon monoxide or presence of LPG/CNG at workstations and in underground garages.

The detector is based on Japanese made semiconductor sensor (lifetime approx. 10 years) mounted in the EXCHANGEABLE module. Due to its microprocessor – controlled unit, the detector features are very SENSITIVE, ACCURATE, SELECTIVE and STABLE measurements. The WG.EN version (E-conomic or E-xtremely simple to install) is designed for use as ventilation controller in the underground parking garages.

CO₂ Detectors AirTECH



AirTECH type SELECTIVE carbon dioxide detectors with the Infra-Red sensor. The AirTECH detectors are designed for measurement of CO₂ in the following ranges: 0-2000 ppm, 0-5000 ppm, 0-5% vol.

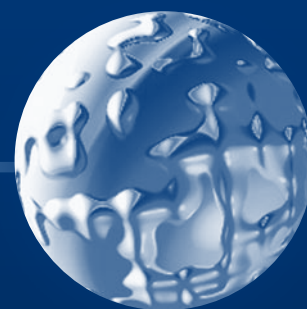
Aside from measuring functions, the AirTECH may be used as:

- Control unit for ventilation systems (AirTECH eko)
- Diagnostic tool for evaluating efficiency of ventilation systems (AirTECH vento)
- CO₂ concentration monitoring unit in mushroom-growing cellars and poultry farms (AirTECH agro, pSENSE)
- CO₂ concentration monitoring unit in breweries and green houses (AirTECH max)
- CO₂ concentration monitoring unit in fruit and vegetable stores (AirTECH duo – with oxygen sensor)

AirTECH controllers may be installed inside intelligent buildings. Climate controllers with temperature and relative air humidity measurement function are also available.

Life is safe with us!

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