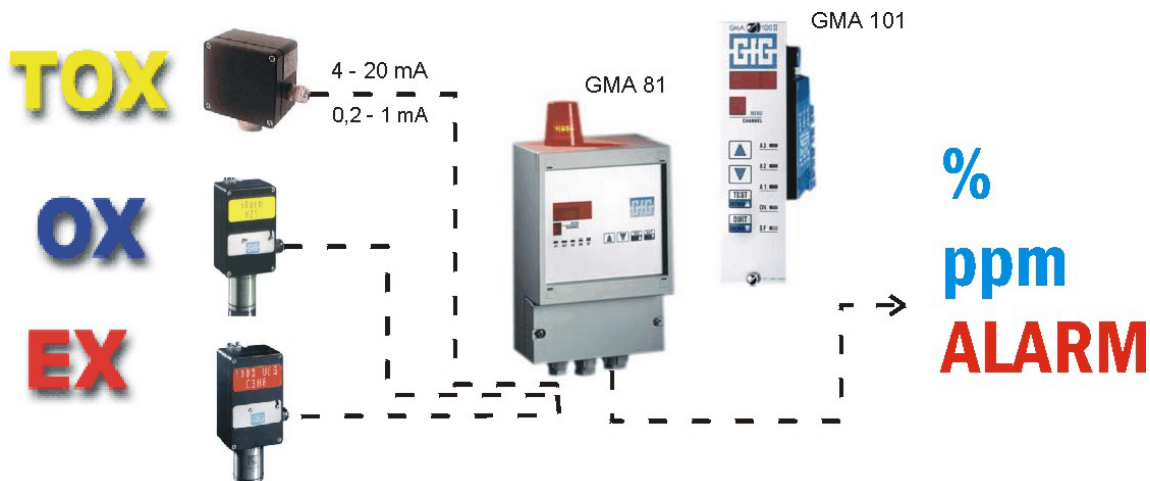




STATIONARY GAS DETECTORS

We offer you an overview of detectors which are able to detect and measure up to 100 gases and their mixtures with different concentrations. We can suggest to you the most suitable solution for your requirements. All detector types can be connected to evaluation units - GMA 41/44, GMA 81/84, GMA 101/104, GMA 301/304.



MWG CS 21



This detector uses the well-proven chemosorption system for detecting toxic and inflammable gases and vapours.

Technical data :

Weight	370 g
Dimensions	82 x 77 x 57 mm
Power supply	10 32 V, 300 mA
Output signal	0,2 1 mA, 4 20 mA

MWG CI 21



Selective detection of ammonia on the CI (charge carrier injection) basis. Quick response (max. 8 seconds) and reliable function even at low temperatures.

Technical data :

Measuring range	0 200 / 1000 / 10.000 ppm
Weight	370 g
Dimensions	82 x 77 x 57 mm
Power supply	10 32 V, 300 mA
Output signal	0,2 1 mA, 4 20 mA

MWG IR 24



A detector with an infrared sensor for CO₂ measurements.

Technical data :

Weight	900 g
Dimensions	10 x 145 x 80 mm
Protection	IP 54
Power supply	18 26 V, 100 mA
Output signal	0,2 1 mA, 4 20 mA

MWG EC 24



A sturdy detector for control of toxic gases and oxygen in the surrounding air. Selective electrochemical sensor.

Technical data :

Weight	980 g
Dimensions	80 x 125 x 87 mm
Protection	IP 54
Output signal	0,2 1 mA, 4 ... 20 mA
Length of supply cable	max. 300 m (3x0,75mm), over 300m (3x1,5mm)
Sensor operating life	< 2 years

MWG CS 24Ex



Chemosorptive measuring system for detecting toxic gases and vapours. The operating life of the sensors is up to 5 years of continuous operation.

Technical data :

Weight	980 g
Dimensions	80 x 125 x 57 mm
Protection	EEx em [ib] IIC T6, IP 54
Power supply	18 24 V, 300 mA
Output signal	0,2 1 mA, 4 ... 20 mA
Sensor operating life	about 5 years

MWG ZD 21



This gas detector is based on a zirconium cell, which has a longer operating life compared to common electrochemical cells – up to 5 years. This detector is more resistive to CO₂ than common electrochemical cells. Its measuring ranges are remarkable as well, not only the usual atmospheric range 0 – 25%, but **also the measuring of the residual amount of oxygen 0 – 0,1%, or measuring in the range 0 – 96%.**

Technical data :

Measuring range	0 0,1 / 25 / 96 %
Weight	370 g
Dimensions, protection	100 x 100 x 57 mm
Power supply	10 32 V, 3W
Output signal	0,2 1 mA, 4 20 mA

COMPACT DEVICES FOR GAS DETECTION

EC 36Ex



A detector for more exacting industry applications. AutoCal function (automatic calibration), remote control option, external display units. Designed for detection and measurements of O₂, CO, H₂S, SO₂, NO, NO₂, H₂, HCl, HCN, NH₃ in ppm.

Technical data :

Weight	1500 g
Dimensions	120 x 175 x 95 mm
Protection	EEx ia IIC T6
Power supply	12 24 V, 4 mA
Output signal	0,2 1 mA, 4 ... 20 mA

GMA36 Pro



A compact device for detecting toxic gases, oxygen, and hydrogen; measured values can be displayed directly; possibility of setting alarm limit values whose exceeding will influence the relay outputs.

Technical data :

Weight	900 g
Dimensions, protection	135 x 247 x 95 mm, IP 54
Gas inlet	diffuse
Measuring principle	electrochemical sensor
Measured gases	(see the table of gases, analogous to EC24)
Power supply	230V / 50Hz
Output signal	relay outputs

CC28



A compact device for detecting inflammable gases



- CC28 no display version
- CC28D version with display
- CC28DA version with display, optical and acoustic alarm

Improved sensor construction – **the quickest response !**

Technical data :

Meas. principle	catalytic combustion
Power supply	15 – 30 VDC
Control	3 function buttons

Dimens., protect. 100x193x55mm, IP64

- ATEX  II 2G EEx dem [ib] IIC T4  0158
- concentration value on display or on remote control
- optical and acoustic alarm EX-design
- 3 adjustable alarm limit values
- function control option by remote control

Stationary gas detectors GfG							
Gas	Formula	CC28	CS24EX* CS21 ⁺	EC25EX EC24	CI21	IR24	ZD21
acetone	C ₃ H ₆ O	0-100%DMV	0- 300 ppm 0-50%DMV*				
acetylene	C ₂ H ₂	0-100%DMV					
ammonia	NH ₃	0-4%Vol	0- 300ppm 0-1000ppm 0-10000ppm ⁺	0- 200ppm	0- 200ppm 0- 1000ppm 0-10000ppm		
ethane	C ₂ H ₆	0-100%DMV	0-50%DMV 0-100%DMV				
ethanol	C ₂ H ₆ O	0-100%DMV	0-2000ppm				
ethyl acetate	C ₄ H ₈ O ₂	0-100%DMV	0-2000ppm 0-50%DMV*				
ethylene	C ₂ H ₄	0-100%DMV	0-50%DMV				
hydrogen fluoride	HF			0- 10ppm			
chlorine	Cl ₂			0- 5ppm 0- 20ppm			
hydrogen chloride	HCl			0- 10ppm 0- 20ppm 0- 50ppm			
hydrogen cyanide	HCN			0- 20ppm 0- 50ppm			
oxygen	O ₂			0- 25 %			0- 0,1% 0-25% 0-96%
methane	CH ₄	0-50%DMV 0-100%DMV	0-50%DMV 0-100%DMV				
methanol	CH ₄ O	0-100%DMV	0-1000ppm				
n-butane	C ₄ H ₁₀	0-50%DMV 0-100%DMV	0-50%DMV 0-100%DMV*				
n-hexane	C ₆ H ₁₄	0-100%DMV	0-1000ppm* 0-100%DMV				
n-nonane	C ₉ H ₂₀	0-100%DMV	0-50%DMV				
nitrogen dioxide	NO ₂			0- 20ppm			
nitric oxide	NO			0- 100ppm 0- 500ppm 0-1000ppm			
sulphur dioxide	SO ₂			0- 10ppm 0- 50ppm 0- 100ppm			
carbon monoxide	CO		0- 300ppm 0-1000ppm	0- 100ppm 0- 300ppm 0- 600ppm 0-1000ppm 0-2000ppm			
carbon dioxide	CO ₂					0-5 %	
ozone	O ₃			0- 3ppm			
propane	C ₃ H ₈	0-100%DMV	0-50%DMV				
hydrogen sulphide	H ₂ S			0- 30ppm 0- 50ppm 0- 200ppm 0-1000ppm			
toluene	C ₇ H ₈	0-100%DMV	0-1000ppm 0-50%DMV				
hydrogen	H ₂	0-50%DMV 0-100%DMV		0-2000ppm			

Note : Detection of other gases and other measuring ranges by request (up to 100 gases and mixtures)

The catalogue sheet contains only some parameters important for your decision. For planning always require a corresponding user manual and eventually a technical consultation on the possibilities of use.

Sale and service : ZAM - SERVIS s.r.o., Tel: 596135422-4, obchod@zam.cz

V02