



Gas Detection Systems with Proven Quality

For signalization and control upon detection of hazardous concentrations of various toxic and explosive gases

Professional quality and service at competitive prices!

Manufacturer:



Delta Instruments Ltd

Website: www.deltainst.com


Email: delta@deltainst.com

Tel.: +359 2 974 62 36;

Gas detection transmitters for hazardous gases

Ex-proof Transmitters for hazardous gases models **DGS510-EXP** and **DGS510-Cd**

- For detection of a wide variety of explosive and flammable gases and vapours: methane, propane, butane, LPG, hydrogen, acetone, ethanol, methanol, ethylene, ethyl acetate, toluene, gasoline vapours, etc.

- Measurement range 0-100 % LEL or another per request
- With catalytic or infrared sensor, protected by sintered filter
- Sensor life expectancy 5-10 years, depending on gas exposure
- Standard output signal 4-20 mA
- Power supply 12-24 VDC
- Protection rating IP 65
- With factory calibration protocol
- Ex-proof certified - ATEX 



Standard Transmitters for toxic gases models **DGS510-TOX**

- For detection of oxygen and a wide variety of toxic gases and vapours: O₂, CO, CO₂, H₂, NO, NO₂, SO₂, Cl₂, H₂S, NH₃, ETO, HCl, O₃, SF₆, refrigerants, etc.

- Different possible measurement ranges depending on the type of gas and application
- With electrochemical or infrared sensor
- Standard output signal 4-20 mA
- Power supply 12-24 VDC
- Protection rating IP 54
- With factory calibration protocol



We recommend regular bump tests and calibration of most sensor types – usually once or twice per year. To ensure maximum safety and warranty, this maintenance should be performed only by qualified and authorized personnel with the help of specialised gas mixtures.

We provide such services and maintenance for our equipment in Bulgaria – in our factory or on premises.

Some of our authorized partners abroad may also provide this. Please ask for assistance.



Gas alarm units / control stations

- Different models depending on the number of input channels and the type of mounting
- 2 programmable alarm levels per input channel
- Audible and visual (LED) signalization
- A minimum of 2 common SPDT output relays – one per alarm level
- Most models have an additional common SPDT output relay for reaction to sensor faults
- All models for wall mounting have 2 dedicated SPDT output relays per input channel
- Most models have bargraph indications of the measured process values
- Model DG510/3P for panel mounting has LCD display
- All units can be configured and operated through their keypad
- Power supply 230 VAC
- Optional module for charging and using a backup power battery
- Some models support optionally a RS485 communication interface

Models:

Number of channels	Wall mounting	Panel mounting	Rail mounting
1	DG510/1W	DG510/1P	DG910/1
2	DG510/2W	DG510/3P	DG910/2
3	DG510/3W	DG510/3P	DG910/3
4	DG510/4W	/	/
5 to 8	DG510/8	/	/



Gas detection systems for underground garages

- Gas detectors for CO – model **DG510/CG**
- Combined gas detectors for CO, LPG and CH₄ simultaneously – model **DG510/3G**
- With two alarm levels, triggering SPDT output relays
- Audible and visual (LED) signalization
- Power supply 230 VAC or 12 / 24 VDC per request

These gas detectors can be used as standalone devices or also as a set, communicating over RS485 with a specifically designed 32-channel gas alarm unit for underground garages model **TOX ALARM DG2000**, which has 3 common for all channels SPDT output relays (2 for alarms and 1 for faults), LCD display and keypad, signalization LEDs and buzzer, and an optional RS485 communication interface for connection to higher level systems.



A dedicated gas detector for oxygen model **OXYmeter**

- Measures O₂ in range 0 – 30 % Vol. or another per request
- LCD display and keypad
- 2 programmable alarm levels
- Audible and visual (LED) signalization
- 2 SPDT 5A/250V output relays for signalization or control in the case of lack of oxygen or overdose of oxygen
- Power supply 230 VAC
- Optional module for charging and using a backup power battery



We also distribute for Bulgaria a variety of portable gas detectors

