

**Exproof Gas Detectors** 

### Overview

- ATEX certified
- 4 20 mA analog output
- Status indicator
- %LEL, PPM or %V0L measurement
- Optional relay card



### Description

FCGAEX Exproof Gas Detectors are used in industrial environments with explosive and inflammable hazards, while it can also determine the quantity of the toxic gases and oxygen present.

More than 40 industrial gases can be detected through 300 different models of FCGAEX detectors available. All models are as per the En 60079;0, EN 60079;1, EN 60079:18 standards and also compliant with 3 different ATEX certifications. All Gas Detectors are calibrated during the production in the production facility for precise results, so there there is no need to re-calibrate again before use.

Annual calibration operations can be easily performed on site using the appropriate calibration gases. FCGAEX Exproof Gas Detectors can measure the intensity of gases in %VOL (volume) %LEL (proportional) and PPM (quantity) as well. FCGAEX Ex proof Gas Detectors work on standard 4-20mA output current. In this way gas control panel and PLC can be directly connected. There is one more option of using p2REL with 2 relay cards so there is no need for control panel or PLC , also detectors can be used with fire alarm panel with the use of 2 relay cards.

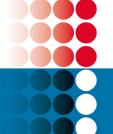
In case of a possible failure the card is equipped with LED's, The Intermittent LED works normally in normal situation and will stop illuminating in case of a failure. FCGAEX Ex Proof Gas Detectors present the most modern technology features as equipped with Infrared, Pelistor, Electrochemical and Catalytic sensor technologies.

#### Application/Usage Area:

In case of poisonous gases or dense gas environment infrared sensor detectors should be used instead of catalytic sensors, in this way the detectors durability is increased and the sensitivity remains intact for a longer period of time. FCGAEX Exproof Gas Detectors use best quality Electrochemical sensors due to the detection of toxic gases. These detectors are commonly used in Chemical Production Facilities Petrochemical Laboratories, Gas Turbine Mines and LPG/LNG Tunnel Depots areas and Autogas Stations.

FCGAEX Exproof Gas Detectors can detect a wide range of gases as some of them are listed below. If you require a detector apart from these gases mentioned below kindly contact us.





# **FCGAEX Series**

## **Exproof Gas Detectors**



				MONTAJ- INSTALLATION HEIGHT			
		NFPA SINIFI - NFPA CLASS					
GAZ		ÜST PATLAMA SINRI - UPPER EXPLOSIN LIMIT					
-	TYPE	ALT PATLAN	A SINIRI - LOW EXPLOS	ION LIMIT			
			(Care)	272			
30	LPG		LPG	1.8	8.5		30cm from floor
31	METAN		METHANE	4.4 - 5	15 - 17	Α	30cm from ceiling
32				1.2	8		30cm from floor
33	BÜTAN		n-BUTANE	1.6	8.4	IA	30cm from floor
34	PROPAN		PROPANE	2.1	9.5 - 10.1	IA	100cm from floor
35	HEKZAN		n-HEXANE	1.1	7.5	IB	30cm from floor
36	HIDROJEN		HYDROGEN	4	75	IA	30cm from ceiling
37	PENTAN		n-PENTANE	1.5	7.8	IA	30cm from floor
38	TOLÜEN		TOLUENE	1.2 -1.27	6.75 - 7.1	IB	30cm from floor
39	METANOL		METHANOL	6 - 6.7	36	IB	100cm from floor
40	HEPTAN		n-HEPTANE	1.05	6.7	IB	30cm from floor
41	OKTAN		n-OCTANE	1	7	IA	30cm from floor
42	ETANOL		ETHANOL	3 -3.3	19	IB	100cm from floor
43	ISO-PROPANOL		ISO-PROPANOL	2	12	IB	30cm from floor
44	44 KARBON MONOKSIT		CARBON MONOXIDE	12	75	IA	150cm from floor
45	ASETON		ACETONE	2.6 - 3	12.8 - 13	IB	30cm from floor
46	METILETILKETON		METHYLETHYLKETONE	1.8	10	IB	30cm from floor
47	ETİL ASETAT		ETHYL ACETATE	2	12	IA	30cm from floor
48	AMONYAK		AMMONIA	15	28	IIIB	30cm from floor
49	ETİLEN		ETHYLENE	2.7	36	IA	100cm from floor
50	ASETIK ASİT		ACETIC ACID	4.0	19.9	II	30 cm from floor
51	BÜTİL ASETAT		BUTYL ACETATE	1.4	8.0	IB	30 cm from floor
52	SİKLO-HEXANE		CYCLO-HEXANE	1.3	7.8	IB	30 cm from floor
53	SİKLO PENTAN		CYLO-PENTANE	1.5-2	9,4	IB	30 cm from floor
54	DİOKSAN		DIOXANE	2	22	IB	30 cm from floor
55	ETAN		ETHANE	3.0	12.4	IA	100 cm from floor
56	BÜTİL ALKOL		BUTYL ALCOHOL	1	11	IC	30 cm from floor
57	STYLEN		STYRENE	1.1	6.1	IB	30 cm from floor
58	PROPİLEN		PROPYLENE	2.4	11.0	IA	100 cm from floor
59	59 KARBON MONOKSIT		CARBON MONOXIDE	12.5	74.0	IA	150 cm from floor
60	KSİLEN		XYLENE	1.1	6.6	IC	30 cm from floor



