

# FCGAEX Series Exproof Gas Detectors



## Overview

- ATEX certified
- 4 - 20 mA analog output
- Status indicator
- %LEL, PPM or %VOL 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

FCGAEX XY I-2-3 I-2-3-4 Blank-p2R

◀ 30 LPG	◀ LPG	◀ SH10
◀ 31 METAN	◀ METHANE	◀ SH20
◀ 32 AKARYAKIT BUHARI	◀ PETROL VAPOUR	◀ SH30
◀ 33 BÜTAN	◀ n-BUTANE	
◀ 34 PROPAN	◀ PROPANE	
◀ 35 HEKZAN	◀ n-HEXANE	
◀ 36 HİDROJEN	◀ HYDROGEN	
◀ 37 PENTAN	◀ n-PENTANE	
◀ 38 TOLÜEN	◀ TOLUENE	
◀ 39 METANOL	◀ METHANOL	
◀ 40 HEPTAN	◀ n-HEPTANE	
◀ 41 OKTAN	◀ n-OCTANE	
◀ 42 ETANOL	◀ ETHANOL	
◀ 43 ISO-PROPANOL	◀ ISO-PROPANOL	
◀ 44 KARBON MONOKSİT	◀ CARBON MONOXIDE	
◀ 45 ASETON	◀ ACETONE	
◀ 46 METİLETİLKETON	◀ METHYLETHYLKETONE	
◀ 47 ETİL ASETAT	◀ ETHYL ACETATE	
◀ 48 AMONYAK	◀ AMMONIA	
◀ 49 ETİLEN	◀ ETHYLENE	
◀ 50 ASETİK ASİD	◀ ACETIC ACID	
◀ 51 BÜTİL ASETAT	◀ BUTYL ACETATE	
◀ 52 SİKLO-HEKZAN	◀ CYCLO-HEXANE	
◀ 53 SİKLO PENTAN	◀ CYLO-PENTANE	
◀ 54 DİOKSAN	◀ DIOXANE	
◀ 55 ETAN	◀ ETHANE	
◀ 56 BÜTİL ALKOL	◀ BUTYL ALCOHOL	
◀ 57 STYLEN	◀ STYRENE	
◀ 58 PROPİLEN	◀ PROPYLENE	
◀ 59 KARBON MONOKSİT	◀ CARBON MONOXIDE	
◀ 60 KSİLEN	◀ XYLENE	

◀ YARI İLETKEN  
SEMICONDUCTOR  
◀ KATALİTİK  
CATALYTIC  
◀ İNFRARED  
INFRARED  
◀ ELEKTROKİMYASAL  
ELECTROCHEMICAL  
◀ PELİSTOR  
PELLISTOR

◀ ROLE KARTI İÇİN p2R  
◀ p2R FOR RELAYCARD

**SİPARİŞ BİLGİLERİ**  
Sipariş verirken ihtiyacınız olan özelliklere göre doğru kodlu cihazı seçtiğinizden emin olunuz.

GAZ GAS TYPE	ÜST PATLAMA SINIRI - UPPER EXPLOSION LIMIT ALT PATLAMA SINIRI - LOW EXPLOSION LIMIT	NFPA SINIFI - NFPA CLASS			MONTAJ- INSTALLATION HEIGHT
		1	2	3	
30 LPG	LPG	1.8	8.5		30cm from floor
31 METAN	METHANE	4.4 - 5	15 - 17	A	30cm from ceiling
32 AKARYAKIT BUHARI	PETROL VAPOUR	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 HİDROJEN	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 KARBON MONOKSİT	CARBON MONOXIDE	12	75	IA	150cm from floor
45 ASETON	ACETONE	2.6 - 3	12.8 - 13	IB	30cm from floor
46 METİLETİLKETON	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 ASETİK ASİD	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-HEKZAN	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 KARBON MONOKSİT	CARBON MONOXIDE	12.5	74.0	IA	150 cm from floor
60 KSİLEN	XYLENE	1.1	6.6	IC	30 cm from floor

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