

# KARF & SCOOT

# Infrared

Fixed Gas Detector



## Long Life-Span



**Reliable  
Measurement**



**Durable**



**ATEX and CE  
Certified**

# GD2G Infrared

## Fixed Gas Detector

### RELIABLE MEASUREMENT

GD2G Infrared Gas Detectors have a remarkable precision in detection along with its durable structure. It does not require frequent calibration for accurate detection of flammable and explosive gases.

### IMMUNE TO HARSH CONDITIONS

Infrared sensors do not measure by physically reacting to gases as catalytic and electrochemical sensors do, but instead; it utilizes infrared light-waves to detect gas leaks.

### LONG LASTING SOLUTION

GD2G Infrared Gas Detectors have been designed as a long-lasting solution for demanding industrial environments.

Operating Voltage 24V ±25% VDC

Detection Range 0-100% LEL

Resolution 1% LEL

Response Time <30s

Sensor Type Infrared

Analog Output 4-20mA

Digital Output Relays (NO and NC)

#### Environmentals Conditions

Temperature -20 ~ +60 °C

Pressure 86 ~ 106 kPa

Humidity ≤95 % RH

Weight 1 kg

Material Aluminum  
Sensor Capsule Stainless Steel

ATEX Classification II 2 G Ex d IIC Gb T6

IP Protection Level IP65

Warranty 2 Years

### LIST OF GASES&VAPORS

Methane	$\text{CH}_4$	Cyclopentane	$\text{C}_5\text{H}_{10}$	Methyl Ethyl Ketone	$\text{C}_3\text{H}_8\text{O}$
Propane	$\text{C}_3\text{H}_8$	Difluoroethane	$\text{C}_2\text{H}_4\text{F}_2$	Methanol	$\text{CH}_4\text{O}$
Carbon Dioxide	$\text{CO}_2$	Dimethyl Ether	$\text{C}_2\text{H}_6\text{O}$	N-Butane	$\text{C}_4\text{H}_{10}$
Acetic Acid	$\text{C}_2\text{H}_4\text{O}_2$	Ethane	$\text{C}_2\text{H}_6$	Pentane	$\text{C}_5\text{H}_{12}$
Acetone	$\text{C}_3\text{H}_6\text{O}$	Ethanol	$\text{C}_2\text{H}_6\text{O}$	Propylene	$\text{C}_3\text{H}_6$
Benzene	$\text{C}_6\text{H}_6$	Iso-butane	$\text{C}_4\text{H}_{10}$	Toluene	$\text{C}_7\text{H}_8$
Cyclohexane	$\text{C}_6\text{H}_{12}$	Iso-butylene	$\text{C}_4\text{H}_8$		