

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	CH ₄	Cyclopentane	C ₅ H ₁₀	Methyl Ethyl Ketone	C ₃ H ₈ O
Propane	C ₃ H ₈	Difluoroethane	C ₂ H ₄ F ₂	Methanol	CH ₄ O
Carbon Dioxide	CO ₂	Dimethyl Ether	C ₂ H ₆ O	N-Butane	C ₄ H ₁₀
Acetic Acid	C ₂ H ₄ O ₂	Ethane	C ₂ H ₆	Pentane	C ₅ H ₁₂
Acetone	C ₃ H ₆ O	Ethanol	C ₂ H ₆ O	Propylene	C ₃ H ₆
Benzene	C ₆ H ₆	Iso-butane	C ₄ H ₁₀	Toluene	C ₂ H ₄ F ₂
Cyclohexane	C ₆ H ₁₂	Iso-butylene	C ₄ H ₈		