

KARF & SCOOT

Catalytic

Fixed Gas Detector



Budget Solution



Fast
Response Time



4-20 mA and
Relay Outputs



ATEX and CE
Certified

GD2G Catalytic

Fixed Gas Detector

OPTIMUM SOLUTION FOR HYDROCARBON GASES

It's a durable and high-performance budget solution for the flammable and explosive environments.

CONFIGURABLE & FAST

Thanks to its embedded software algorithm, it provides an excellent response time along with configurable relay outputs which creates flexibility for changing needs of different sectoral usages. It also has two relay outputs for easy integration to your industrial control and automation systems.

CERTIFIED BY ATEX

Suitable for use in Group II (Zone 2 and Zone 1) and ATEX certified as per international standards.

Operating Voltage	24V ±25%VDC
Detection Range	0-100% LEL
Resolution	1% LEL
Response Time	<10s
Sensor Type	Catalytic (Pellistor)
Analog Output	4-20mA
Digital Output	2 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	Acetone	C ₃ H ₆ O	Cyclohexane	C ₆ H ₁₂
Propane	C ₃ H ₈	Methyl Ethyl Ketone	C ₄ H ₈ O	Cyclopentane	C ₅ H ₁₀
n-Butane	C ₄ H ₁₀	Toluene	C ₇ H ₈	Iso-Butane	C ₄ H ₁₀
n-Pentane	C ₅ H ₁₂	Ethyl Acetate	C ₄ H ₈ O ₂	Iso-Butanol	C ₄ H ₁₀ O
n-Hexane	C ₆ H ₁₂	Hydrogen	H ₂	Iso-Octane	C ₈ H ₁₈
n-Heptan	C ₇ H ₁₆	Unleaded Petrol	N/A	Iso-Pentane	C ₅ H ₁₂
n-Octane	C ₈ H ₁₈	Ethylene	C ₂ H ₄	n-Propanol	C ₃ H ₈ O
Methanol	CH ₃ OH	Acetylene	C ₂ H ₂	Styrene	C ₈ H ₈
Ethanol	C ₂ H ₅ OH	Acetic Acid	C ₂ H ₄ O ₂	Propylene	C ₃ H ₆
Iso-Propanol	C ₃ H ₈ O	Butyl Acetate	C ₆ H ₁₂ O ₂	Xylene	C ₈ H ₁₀