

GD2G

Infrared Gas Detectors



KARF &
SCOOT

www.karfandscoot.com

GD2G

Infrared Gas Detectors

High Consistency & Durability

It's a high precision and durable product, without a need for frequent calibrations for detection of flammable, explosive and toxic gases.

Infrared sensor technology does not measure relative to a reaction such as catalytic and electrochemical sensors. Detects the gas at the perfect level. It is unaffected by temperature, pressure and other gaseous harmful effects in the environment. It provides high performance on this count, it does not require continuous calibration, provides maintenance-free and longer-lasting solution.

There is an advanced microcontroller and embedded software algorithm in its design. With the relay outputs developed to operate at the upper and lower alarm levels, it is a smart thing to use independently without the need of any control system.

It offers 4-20mA analog output support for easy integration into your industrial control and automation systems. Modular wireless communication support is available and you can easily convert it to an IOT device, so you can easily monitor your gas measurement values from long distances.

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	2 Relays (NO and NC)
Screen	7 Segment Display(Optional)

Environmentals Conditions

Temperature	-20 ~ +60 °C
Pressure	86 ~ 106 kPa
Humidity	≤95 % RH

Weight	1 kg
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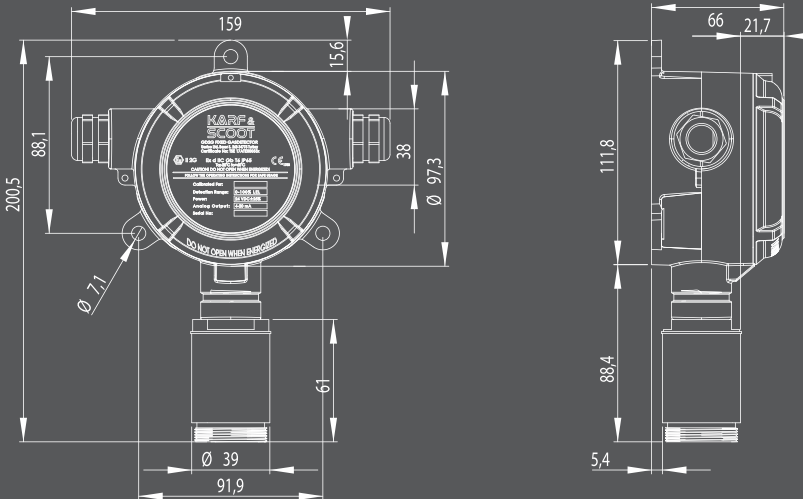
Material	Aluminum
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ATEX Classification	II 2 G Ex d IIC Gb T6
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IP Protection Level	IP65
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Warranty	2 Years
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Technical Drawing



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