



Combustible Gas Detector

The size of a pager, Knowz is out of sight, but not out of mind.

Applications

Home Gas Appliances:

Stove; Fireplace; Furnace; Dryer & more

Commercial Buildings

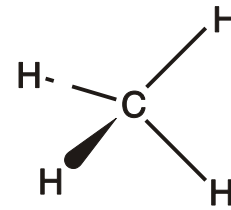
Marine Vessels

Recreational Vehicles

Labs./Research Facilities

Boiler Rooms

Chemical Storage Facilities



Methane Molecule
(Natural Gas)

- Lighter than air
- Place detector near ceiling above the gas source

Features & Benefits

Compact

Audible and LED alarm indicator

Powered by DC or AC (adapter included)

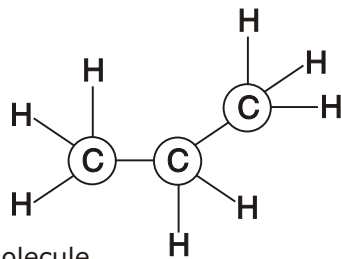
Can be calibrated to any combustible gas or vapor

User adjustable sensitivity

Easy to verify operation

Sensor extensions available (3m or 25m.)

Dry relay contacts (normally open and closed) can be added to activate external alarms such as gas shut off valves and remote alarms



Propane Molecule

- Heavier than air
- Place detector at floor level

Knowz™ is available with relay contacts for activating security or other peripheral alarms

KnowzTM

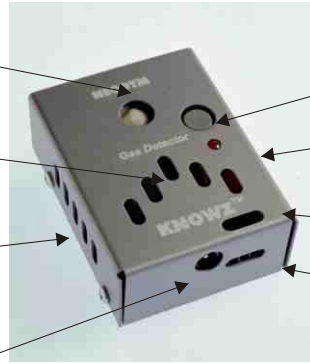
Specifications

High Performance Gas Sensor

80dB@1m Alarm Horn

Anodized Aluminum Housing

Calibration/Alarm Adjustment (Located on back)



Relay Reset Button

Alarm/Power Indicator

Relay Terminals Access

Relay Contacts

Other Gases & Vapors Detected by KnowzTM

- Acetone
- Acetylene
- Aviation fuel
- Benzene
- Butane
- Butylene
- Butadiene
- Decane
- Diethylamine
- Dimethylamine
- Ethane
- Ethanol
- Ethyl Acetate
- Ethyl Chloride
- Ethyl Ether
- Ethylene
- Ethylene Chloride
- Freon
- Gasoline
- Heptane
- Hexane
- Hydrogen
- Methane (Natural Gas)
- Methanol
- Methyl Acetate
- Methyl Ether
- Methyl Ethyl Ketone
- Methyl Chloride
- Methylene Chloride
- Octane
- Pentane
- Petroleum Naptha
- Propane (LPG)
- Propanol
- Propylene
- Toluene
- Trichloro Ethane
- Vinyl Chloride

SPECIFICATIONS

Sensor type:	Tin dioxide (semiconductor)
Sensor life:	5 + years
Lower detection limit:	50 ppm / 0.1% LEL (methane)
Upper detection limit:	No limit
Response time:	T90 < 10 seconds
Recovery time:	< 30 seconds (typical)
Operating temperature:	15 - 125 degrees F (-10 - 50C)
Operating humidity:	10 - 90% R.H. (Non-condensing)
Operating pressure:	0.9 - 1.1 ATM
Audio alarm:	Intermittent piezo - 80dB at 1m
Visual alarm:	Blinking 1/5" (5mm) red L.E.D.
Alarm point:	20% LEL methane / propane (user adjustable)
Alarm accuracy:	+/- 5% LEL methane / propane
Case material:	Anodized aluminum
Mechanical shock:	3' (1 m) drop onto concrete
Dimensions:	2.6" x 2.1" x 1.7"
Weight:	1.5 oz. (50g)
Power:	7.5 - 12V D.C. - Approx. 100mA
Safety rating:	Non-incendiary. Not for use in hazardous locations.

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Note: The "KnowzTM" sensor is non-specific and cannot identify or differentiate between the above gases.