

COMBUSTIBLE GAS DETECTOR

TGT-05B

Combustible gas detector can be used in hazardous areas indoors and outdoors, where combustible gas is produced, stored, used, etc., such as chemical, petroleum, metallurgy, oil depot, LPG (Liquefied Petroleum Gas) station, pharmaceutical, gas transmission and distribution, etc.

TECHNICAL SPECIFICATION

- Measurement range: 0-100% LEL /0~50000(LEL: Low Explosion Level - the lowermost concentration of combustible gas to generate an explosion in air when meeting a naked flame)
- Resolution: 0.1%
- Error: $\pm 5\%$
- Response time: <10s
- Detecting principle: catalytic combustion
- Detected gas: combustible gas
- Operation temperature: $-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$
- Operation humidity: <99%RH
- Display mode: digital display with large LCD scr
- Alarming method: acousto-optic alarming
- Power supply: 4 \times 1.5V AA batteries

FEATURES

- To detect the leakage and show the leaking concentration with a digital display, this device can set two-level alarming value.
- The detector can raise the acousto-optic alarming when the detected concentration reaches the preset value.



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Combustible Gas Relative Sensivity

S.NO	GAS TYPE	EXPLOSIVE LIMIT LEL	%LEL RELATIVE SENSIVITY
1	Methene	5.00	100
2	Methenol	6.70	70
3	Hygrogen	4.00	80
4	Ethane	1.20	30
5	Ethanol	3.30	40
6	Ethylene	2.70	50-70
7	Ethyle	2.20	30
8	Propane	2.10	55
9	2-Butanone	1.90	20
10	Acetone	2.60	35
11	Butane	1.80	50
12	Heptane	1.05	35
13	Octane	0.95	30
14	Pentane	1.40	40
15	Cyclohexane	1.30	40
16	Gasoline	1.40	40
17	Isopropanol	20.20	35
18	Toluene	1.20	35
19	Acetylene	2.70	50-60

