

Data Sheet of gaZsens Ex



APPROVALS:

- Certified for Explosion prof sensor housing as PER IS 2148 By ERTL (E)
- BIS Certificate No: CM / L -7448685 as per IS :2148
- CCE Approval No: A / P / HQ / MH / 104 / 518 (P55545)

TECHNICAL SPECIFICATION :

Gas To Detect	Select Sensor Sensor Chart
Sensor Type	Catalytic / Infrared
Sensor Life	For Catalytic 4 to 5 years & for Infrared 1 month to 5 years.
Response Time	2.2 VDC 280 AM for Catalytic & for Infrared 12 to 32 VDC
Oper. Temperature	0 - 55 deg C
Humidity	0-99% RH (Non - Condensing)
Signal (For Sensor)	2.2 cDC 280 mA
Transmission	4 - 20 mA. (3 wire / 2 wire)
Transmitter Supply	24 vDC

Almost all hydrocarbons could be detected. Please refer the Chart enclosed.

Note:

✓ For quotation or any other information email at:

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Gas	Chemical Formula	% LEL in Volume	TLV PPM
Acetaldehyde	CH ₂ COOH	5.1	100
Acetic acid	CH ₃ COOH	5.4	10
Acetone	CH ₃ COCH ₃	2.6	1000
Acetylene	C ₂ H ₂	2.5	F
Benzene	C ₆ H ₆	1.3	25
n-Butane	C ₄ H ₁₀	1.9	500
iso-Butane		1.8	-
Butane 1	C ₄ H ₈	1.6	
Ethane	C ₂ H ₆	3.0	F
Ethyl Benzene	C ₆ H ₅ CH ₂	1.0	100
Ethylene Oxide	C ₂ H ₄ O	3.0	50
n-Heptane	C ₇ H ₁₆	1.2	500
n-Hexane	C ₆ H ₁₄	1.1	500
Hydrogen	H ₂	4.0	F
Methane	CH ₄	5.3	F
Methyl Alcohol		7.3	200
Methyl amine		4.9	10
Napthalene		0.9	10
n-Nonane	C ₉ H ₂₀	0.8	-
n-Octane	C ₈ H ₁₈	1.0	400
n-Pentane	C ₅ H ₁₂	1.5	500
iso- Pentane		1.5	-
Propane	C ₃ H ₈	2.2	F
Propylene	C ₃ H ₆	2.0	-
Toluene	C ₇ H ₈	1.2	100
O-Xylene		1.0	100
m-Xylene		1.1	-
p-Xylene		1.1	-
Xylene	C ₈ H ₁₀	1.1	-
Leaded Petrol		1.4	-
Unleaded Petrol		1.4	-
Cyclo Hexane		12.5	-
Ethyl Acetate		2.2	-
Methyl Ethyl ketone		1.9	-
Iso-Propyl Alcohol		2.2	-
Methanol		-	-
Ethylene		-	-
Ethanol		-	-
Propane 2		-	-
Butan-2-one (MEK)		-	-
M I B K		-	-
Di-Ethyl Ether		-	-
Formal Dyhide (FD)		-	-
Nitro Benzene (NB)		-	-
Aneline (AN)		-	-