

## Data Sheet of gaZpro Ex



### TECHNICAL SPECIFICATION :

Control Card	Solid State Electronics Base
Display	3 $\frac{1}{2}$ Digit LED
Size	Standard Enclosure Size : H : 200mm W : 180mm D:320mm
Oper. Temperature	0 - 50 deg C
Visual Indication	A) Pilot B) Warn C) Alarm
Controls	Optional: A) Reset B) Accept
Parameter Setting	A) Zero B) Span C) Warn D) Alarm
Input Signals	Standard: - 4 - 2 mA. Optional: - 0 - 1 vDC
Outputs	Standard: - 4- 20 mA. Recorder Output, Potential free Relay contacts for Alarms Optional: - Repeater output for warn, Alarms, 0 - 1 vDC. Recorder Outpt
Power Supply	Standard: - 220 vAC 50 Hz Optional: - 110 vAC. OR 50 Hz
Mounting	Standard: Panel Mounting
Flow	100 -200 ml / min.
Pressure	Gas Pressure on Sensor head should not exceed 1 Kg. / cm <sup>2</sup>
Connections	Standard: $\frac{1}{4}$ " NPT for 1/P and O/P Optional: As per specifications
Sensor Type	Catalytic
Sensor Life	4 - 5 years ( in fresh air )
Response Time	90% of FSD in < 30 Sec.

Almost all hydrocarbons could be detected. Please refer chart enclosed.

#### Note:

v For quotation or any other information email at:

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Gas	Chemical Formula	% LEL in Volume	TLV PPM
Acetaldehyde	CH <sub>2</sub> COOH	5.1	100
Acetic acid	CH <sub>3</sub> COOH	5.4	10
Acetone	CH <sub>3</sub> COCH <sub>3</sub>	2.6	1000
Acetylene	C <sub>2</sub> H <sub>2</sub>	2.5	F
Benzene	C <sub>6</sub> H <sub>6</sub>	1.3	25
n-Butane	C <sub>4</sub> H <sub>10</sub>	1.9	500
iso-Butane		1.8	-
Butane 1	C <sub>4</sub> H <sub>8</sub>	1.6	
Ethane	C <sub>2</sub> H <sub>6</sub>	3.0	F
Ethyl Benzene	C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub>	1.0	100
Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	3.0	50
n-Heptane	C <sub>7</sub> H <sub>16</sub>	1.2	500
n-Hexane	C <sub>6</sub> H <sub>14</sub>	1.1	500
Hydrogen	H <sub>2</sub>	4.0	F
Methane	CH <sub>4</sub>	5.3	F
Methyl Alcohol		7.3	200
Methyl amine		4.9	10
Napthalene		0.9	10
n-Nonane	C <sub>9</sub> H <sub>20</sub>	0.8	-
n-Octane	C <sub>8</sub> H <sub>18</sub>	1.0	400
n-Pentane	C <sub>5</sub> H <sub>12</sub>	1.5	500
iso- Pentane		1.5	-
Propane	C <sub>3</sub> H <sub>8</sub>	2.2	F
Propylene	C <sub>3</sub> H <sub>6</sub>	2.0	-
Toluene	C <sub>7</sub> H <sub>8</sub>	1.2	100
O-Xylene		1.0	100
m-Xylene		1.1	-
p-Xylene		1.1	-
Xylene	C <sub>8</sub> H <sub>10</sub>	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)		-	-