

# SME Sensor Specifications

## Performance Characteristics

	Range	Accuracy @ 0-50° C	Accuracy Over Temperature
HC*	0-2,000 ppm	+/- 4ppm abs or 4% rel	+/- 8ppm abs or 8% rel
HC*	0-25,000 ppm	+/- 4% rel	+/- 8% rel
CO2	0-10%	+/- 3% rel	+/- 5% rel
O2	0-25%	+/- 1% rel	+/- 2% rel
CH4	100% LEL	+/- 4% rel	+/- 8% rel
Power Usage	<1 Watt	3%	5%

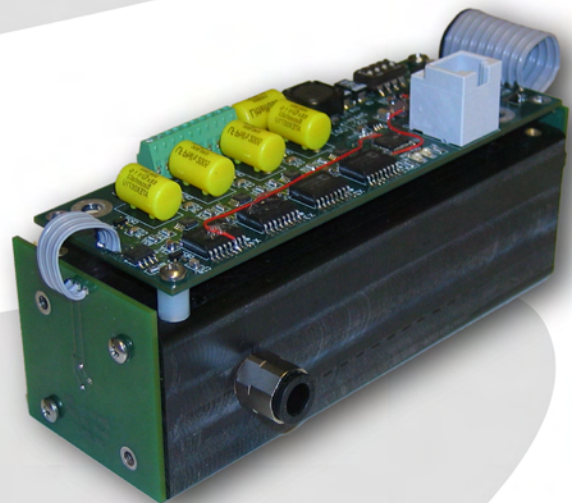
\* HC includes both **gasoline and diesel** range organics

R&D finished and tested at ambient temperature: results are positive

Supply Voltage	12 Volts/dc Regulated	15Vdc Absolute Max.
Operating Temperature	-40° to 85° C	
Humidity	0-90% non-condensing	
4-20 mA connections	Screw Terminal Strip	
Sensor type	Mirrorless IR	

## Physical Characteristics

Weight	8.5 oz
Length	5.25 inch
Width	1.875 inch
Height	2.25 inch
Input	0.25 inch npt
Output	0.25 inch npt
Storage Temp.	-10°C to +50°C
Warranty Period	1 year



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SME Sensor® is a patent pending product of **The Vision Group, Inc.**