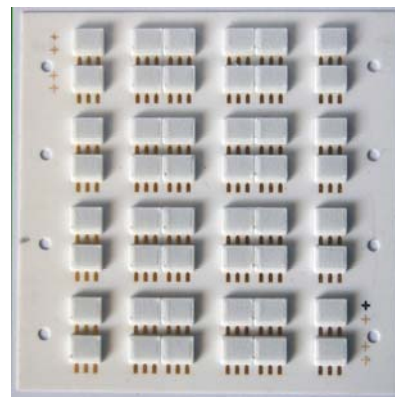


Specification Sheet CARBON MONOXIDE

<i>Sensor Type</i>	<i>SECS CO 1000 Sensor</i>
<i>Detectable Gases</i>	<i>CO Carbon Monoxide</i>
<i>PN wafer à 48 sensors</i>	<i>01-01-40-01</i>
<i>PN single sensor</i>	<i>01-02-40-01</i>
<i>Measuring Principle</i>	<i>Amperometric 3-electrode sensor</i>
<i>Specific Sensor Data</i>	<i>no</i>
<i>Connector</i>	<i>3 gold contacts</i>



Technical Specifications

Standard Range	0 – 1000 ppm
Lower Detectable Limit (LDL)	3 ppm
Maximum Range	2000 ppm
MAK/TLV	30 ppm
Long Term Sensitivity Drift	< 1 % / month
Deviation from linearity at standard range	< 10 % FS
Zero current at normal conditions	+/- 200 nA
Sensitivity	10 ... 50 nA/ppm
Response time at target level	
T50	< 10 s
T90	< 30 s
Sensor warm up time typically	60 s
Operating conditions	- 20°C ... +50°C
	15 ... 90 % r. h.
Temperature dependence	< 3 %/°C
Sensor life time	5 years expected
Sensor dimensions	10 mm x 8,8 mm x 3 mm



Specification Sheet Carbon Monoxide

Cross Sensitivity

Gas	Formula	Test Gas Concentration	Reading in ppm
Ammonia	NH ₃	25 ppm	0
Carbon Dioxide	CO ₂	5000 ppm	0
Carbon Monoxide	CO	60 ppm	60
Chlorine	Cl ₂	1.0 ppm	?
Hydrocarbons unsaturated	-	1 %	0.0
Hydrogen	H ₂	100 ppm	30
Hydrogen Sulphide	H ₂ S	10 ppm	30
Isopropanol	C ₃ H ₇ OH	1000 ppm	?
Nitric Oxide	NO	20 ppm	?
Nitrogen Dioxide	NO ₂	10 ppm	?
Ozone	O ₃	0.5 ppm	?
Sulphur Dioxide	SO ₂	20 ppm	?

Please Note: Test conditions at 20°C/ 1013 hPa, Flow Rate > 500 qcm/min
 Cross sensitivity gases are not target gases. Relation can change with aging.

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