

Hydrogen Sulfide
SensoriC H2S 2E 50 S



Product Data Sheet

SensoriC H2S 2E 50 S

FEATURES

Amperometric 2 electrode sensor cell
fast response
high reliability
high selectivity

TYPICAL APPLICATIONS

TLV-monitoring, leakage detection
portable applications
Oil & Petrochemical industry, water treatment plants

PART NUMBER INFORMATION

MINI	0141-124-30009
SENSORIC CLASSIC	0141-124-30069
CTL4 series adaptation	0141-124-30049
CTL 7 series adaptation	0141-124-30079

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TECHNICAL SPECIFICATIONS

Measuring Range	0–50 ppm
Sensitivity Range	380 nA/ppm \pm 80 nA/ ppm
Zero Current at 20°C	< \pm 200 nA
Resolution at 20°C	< 0.7 ppm
Bias Potential	not required
Linearity	< 5% full scale
Response Time at 20°C	
t50	< 15 s calculated from 2 min. exposure time
t90	< 30 s calculated from 2 min. exposure time
Long Term Sensitivity Drift	< 10% per 6 months
Operation Conditions	
Temperature Range	-20°C to +40°C
Humidity Range	15–90% r.H., non–condensing
Effect of Humidity	an abrupt change of r. H. will cause a short term drift in zero reading of <1 ppm
Sensor Life Expectancy	> 48 months
Warranty	24 months

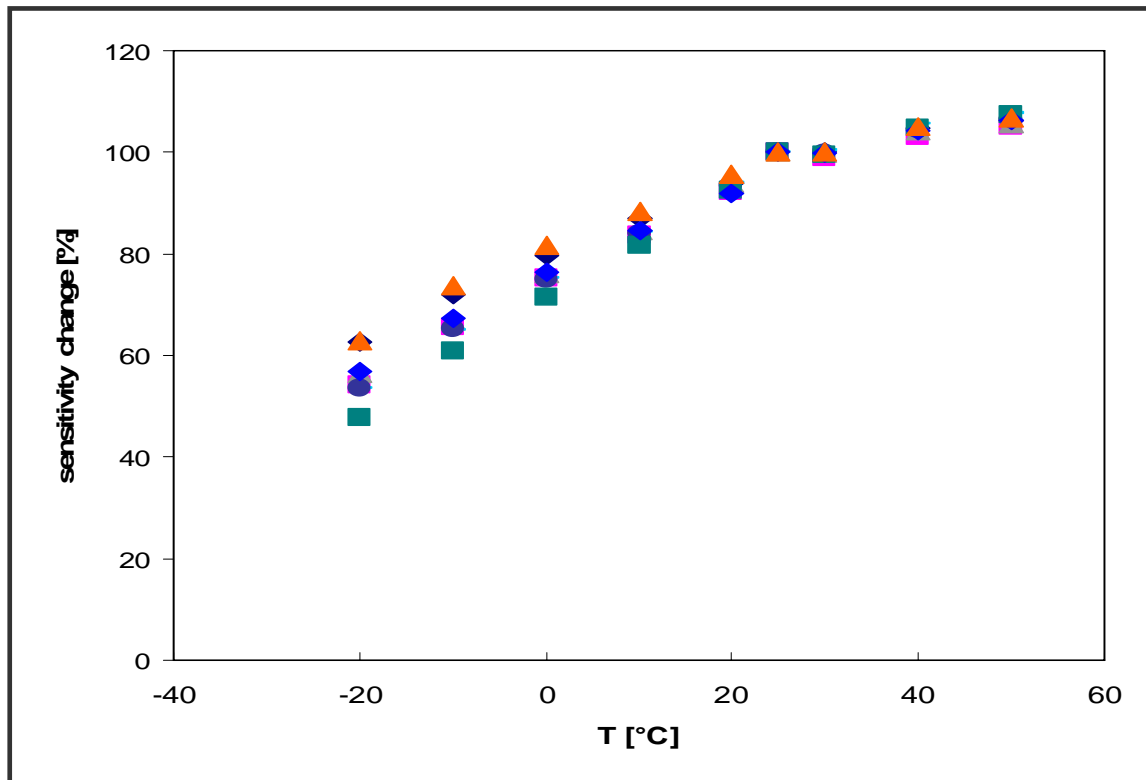
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OUTPUT vs. TEMPERATURE:



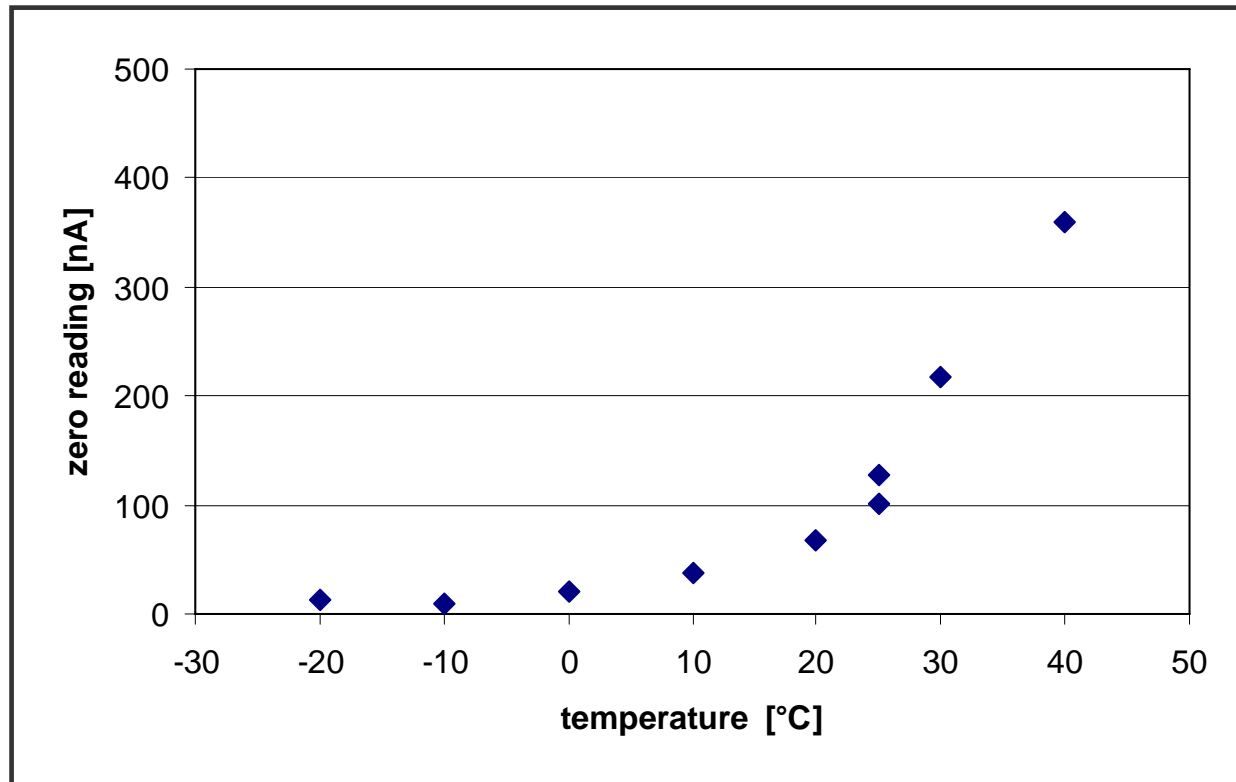
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ZERO READING vs. TEMPERATURE:



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CROSS SENSITIVITIES AT 20°C

Gas	Concentration	Reading [ppm]
Carbon Monoxide	100 ppm	<2
Chlorine	1 ppm	-0.4
Nitrogen Dioxide	10 ppm	- 2
Sulfur Dioxide	20 ppm	3
Hydrogen	10000 ppm	<10
Isopropanol	200 ppm	0
Methane	2.2 %	0
Nitric Oxide	100 ppm	<-0.1

Notes:

1. Interference factors may differ from sensor to sensor and with life time. It is not advisable to calibrate with interference gases.
2. This table does not claim to be complete. The sensor might also be sensitive to other gases.

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