

Hydrogen Sulfide

SensoriC H2S 3E 100 S



Product Data Sheet

SensoriC H2S 3E 100 S

FEATURES

Amperometric 3 electrode sensor cell
Very stable zero reading
Very selective
Highly sensitive
Long life time

TYPICAL APPLICATIONS

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

PART NUMBER INFORMATION

MINI	0145-134-30009
SENSORIC CLASSIC	0145-134-30069
CTL4 series adaptation	0145-134-30049
CTL 7 series adaptation	0145-134-30079

SensoriC deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data can not be used as a warranty provision or representation for which SensoriC assumes legal responsibility. The data are offered solely for consideration, investigation and verification. Any use of this information is subject to federal, state and local laws and regulations.



Product Data Sheet

SensoriC H2S 3E 100 S

TECHNICAL SPECIFICATIONS

Measuring Range	0–100 ppm
Sensitivity Range	750 nA/ppm \pm 150 nA/ ppm
Zero Current at 20°C	< \pm 200 nA
Resolution at 20°C	< 0.3 ppm
Bias Potential	0 mV
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	-40°C to +50°C
Humidity Range	15–90% r.H., non–condensing
Effect of Humidity	< 1 ppm at abrupt changes of humidity
Sensor Life Expectancy	> 48 months
Warranty	24 months

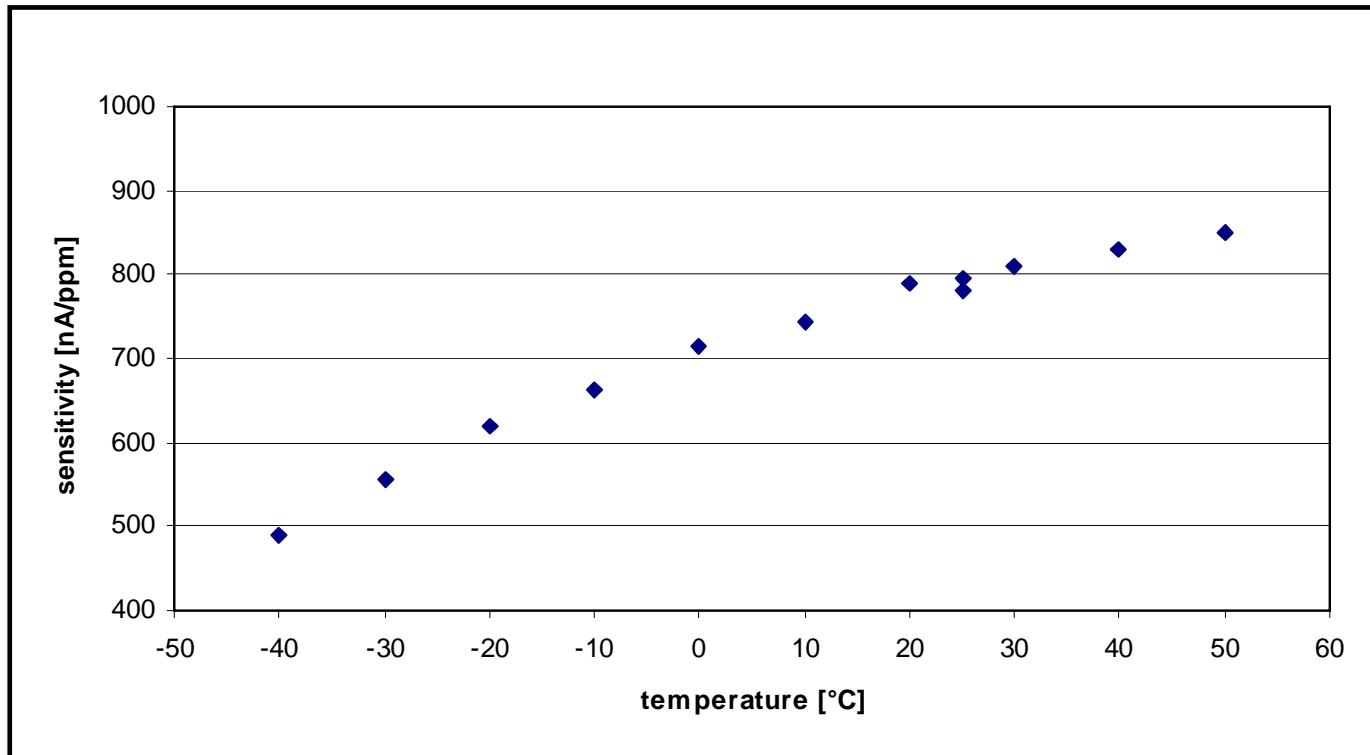
SensoriC deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data can not be used as a warranty provision or representation for which SensoriC assumes legal responsibility. The data are offered solely for consideration, investigation and verification. Any use of this information is subject to federal, state and local laws and regulations.



Product Data Sheet

SensoriC H2S 3E 100 S

OUTPUT vs. TEMPERATURE:



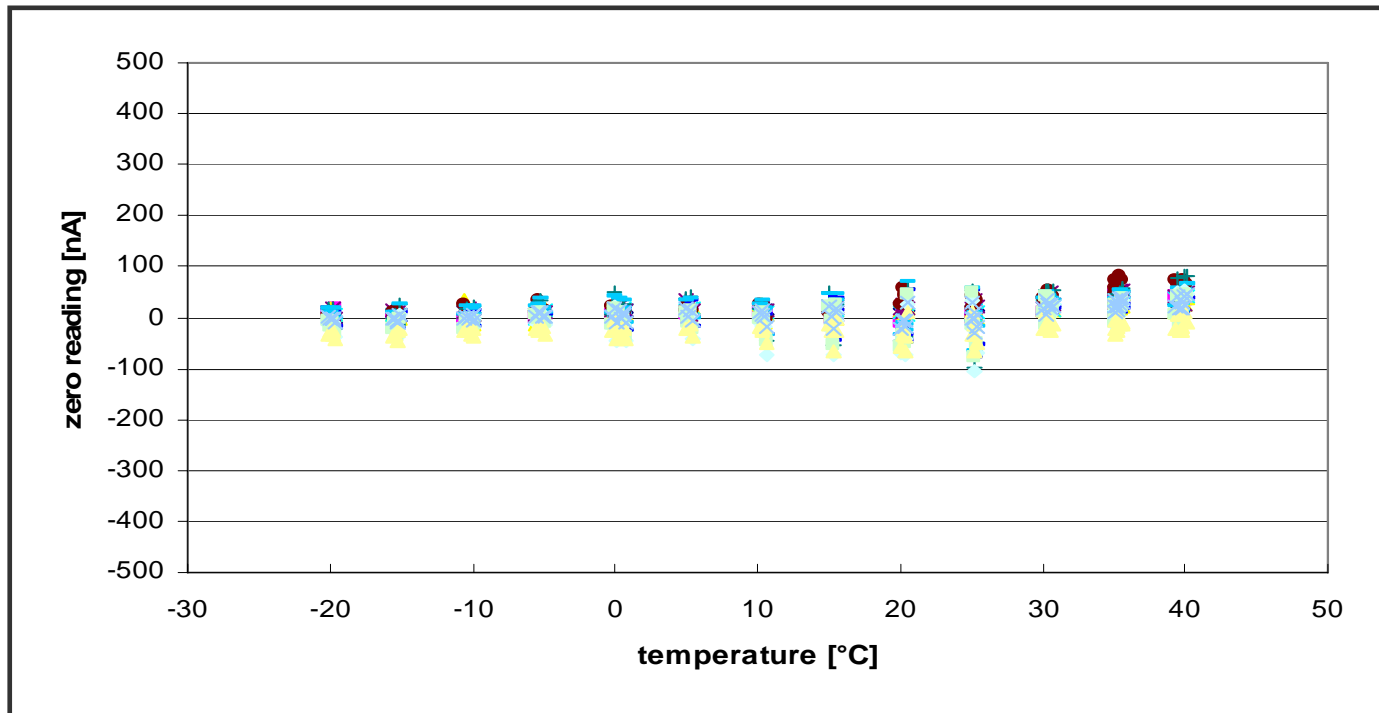
SensoriC deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data can not be used as a warranty provision or representation for which SensoriC assumes legal responsibility. The data are offered solely for consideration, investigation and verification. Any use of this information is subject to federal, state and local laws and regulations.



Product Data Sheet

SensoriC H2S 3E 100 S

ZERO READING vs. TEMPERATURE:



SensoriC deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data can not be used as a warranty provision or representation for which SensoriC assumes legal responsibility. The data are offered solely for consideration, investigation and verification. Any use of this information is subject to federal, state and local laws and regulations.



Product Data Sheet

SensoriC H2S 3E 100 S

CROSS SENSITIVITIES AT 20°C

Gas	Concentration	Reading [ppm]
Ammonia	100 ppm	0
Carbon Monoxide	100 ppm	< 1
Chlorine	20 ppm	< 5
Ethylene	500 ppm	0
Hydrogen	10000 ppm	< 10
Hydrogen Cyanide	15 ppm	< 0.2
Isopropanol	600 ppm	0
Methane	2.18 %	0
Methanol	1000 ppm	0
Nitrogen Dioxide	10 ppm	< 3
Sulfur Dioxide	10 ppm	< 0.5

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.

SensoriC deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data can not be used as a warranty provision or representation for which SensoriC assumes legal responsibility. The data are offered solely for consideration, investigation and verification. Any use of this information is subject to federal, state and local laws and regulations.



Distributed by:
Shawcity Ltd
91-92 Shrivenham Hundred Business Park
Watchfield, Oxfordshire, SN6 8TY
Tel: 01793 780622
Email: sensororders@shawcity.co.uk
www.shawcity.co.uk

