Hydrogen Sulfide 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



TECHNICAL SPECIFICATIONS

Measuring Range 0–50 ppm

Sensitivity Range 380 nA/ppm ± 80 nA/ ppm

Zero Current at 20° C $< \pm 200 \text{ nA}$ Resolution at 20° C < 0.7 ppmBias Potential not required Linearity < 5% full scale

Response Time at 20°C

< 15 s calculated from 2 min. exposure time
 < 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

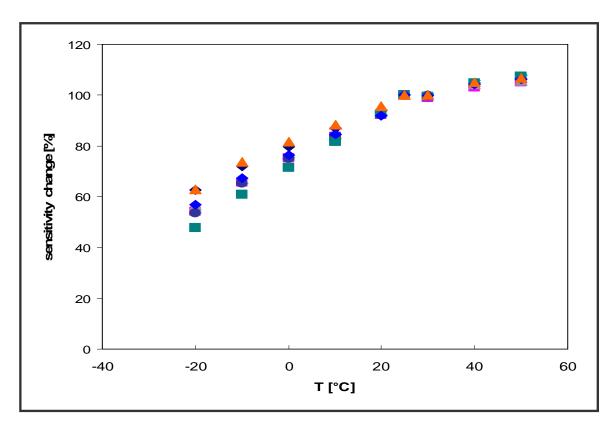
Humidity Range 15–90% r.H., non–condensing

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

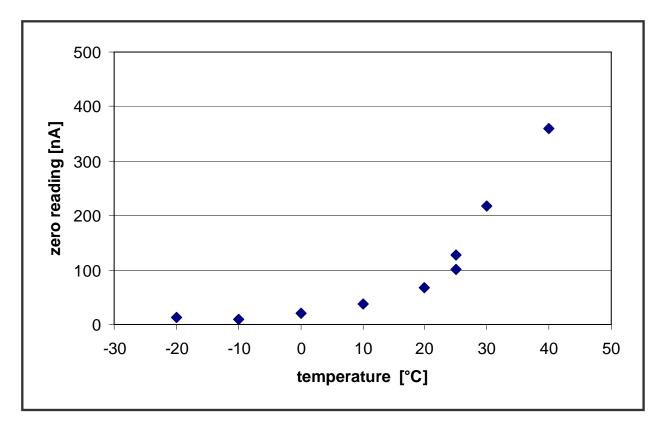


OUTPUT vs. TEMPERATURE:





ZERO READING vs. TEMPERATURE:





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 adviseable to calibrate with interference gases.
- 2. This table does not claim to be complete. The sensor might also be sensitive to other gases.

