

EC4-1000-H2S Hydrogen Sulfide Electrochemical Sensor

SENSORTECH

PERFORMANCE

Range	0 - 1000 ppm
Sensitivity	50 - 130 nA/ppm H2S
Zero in air at 20 °C	<±8 ppm H2S
Resolution	1 ppm H2S
Expected lifetime	2 years
Linearity	linear across range
Response time, t90	<45 s
Long-term output drift	change in output per month

OPERATING CONDITIONS

Temperature range	20 to +50 °C
Temperature coefficient	<0.5% signal per °C
Operating humidity	15 - 90% RH (non-condensing)
Pressure range	90 - 110 kPa (nominal)
Operating circuit	. see Electrochemical Toxic Sensor
	Application Note
	0 V
Storage life 6 mon	ths in original packaging (0 - 25 °C)

PHYSICAL CHARACTERISTICS

Label colour	silver
Weight	6 g
Dimensions	see outline

This device is designed to be RoHS compliant.

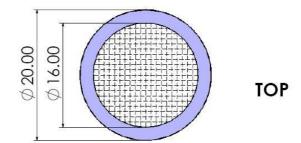
CROSS-SENSITIVITY DATA

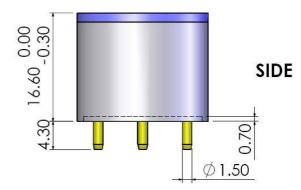
GAS	Concentration (ppm)	Sensor Response (As ppm H2S)
Carbon Monoxide	300	0
Sulfur Dioxide	5	0
Nitric Oxide	35	<3
Nitrogen Dioxide	5	0
Hydrogen	1000	0
Isobutylene	100	0

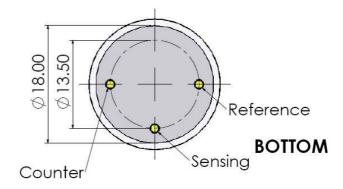
Important Note

Do not solder to the connector pins as this may damage the sensor and thereby invalidate the warranty.

OUTLINE



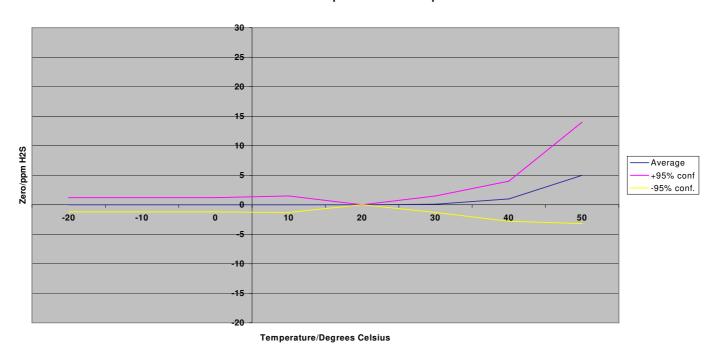




All dimensions in mm. All tolerances ± 0.15 mm unless otherwise stated.

TEMPERATURE DEPENDENCE

EC4-1000-H2S Graph of Zero vs Temperature



EC4-1000-H2S Graph of Net Sensitivity vs Temperature

