

Innovation, Quality and Expertise for Gas Detection.

SureCell[™] - H₂S (M)

Operating Performance

3-electrode electrochemical	
Hydrogen Sulphide	
0-100 ppm	
150 ppm	
2 years in air	
0.75 <u>+</u> 0.2μA per ppm	
Continuous: -20°C to +40°C	
Intermittent: -40°C to +55°C	
1 atm <u>+</u> 10%	
Continuous: 15 - 90% RM	
Intermittent: 0 - 99% RM	
<20 seconds	
<0.5ppm equivalent	
<0.4ppm equivalent	
<2% per month	
< <u>+</u> 5%	
Linear <u>+</u> <5%	
5Ω	
Not required	

Intrinsic Safety Data

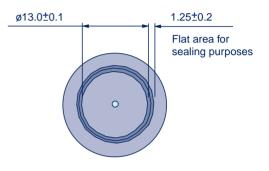
Maximum at 150 ppm	0.15mA
Maximum o/c Voltage	0.8V
Maximum s/c Current	<1.0A

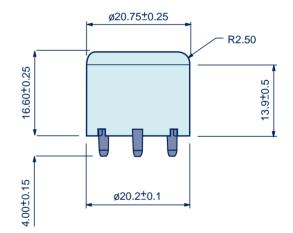
Physical Specification

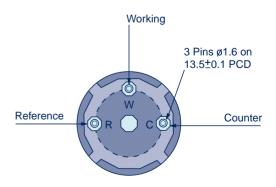
Weight	5g (approx)
Housing Material	Noryl 110
Storage Life	6 months in sealed container
Storage Conditions	+10°C to +30°C
Orientation	Any
Warranty Period	18 months from date of despatch

Ordering Details

Part Number	2112B2022
Order From	Sixth Sense
	Hatch Pond House, 4 Stinsford Road
	Poole, Dorset, England BH17 0RZ
	T: +44 (0) 1202 645770
	F: +44 (0) 1202 665331
	e.mail: sensors@sixth-sense.com
Code date: 08/03	www.sixth-sense.com



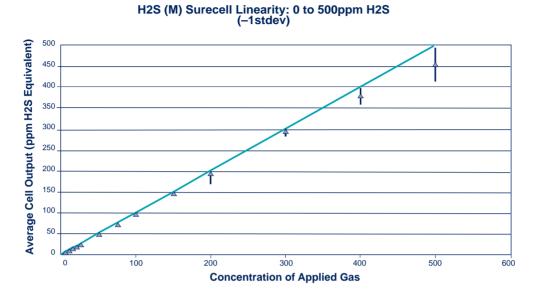




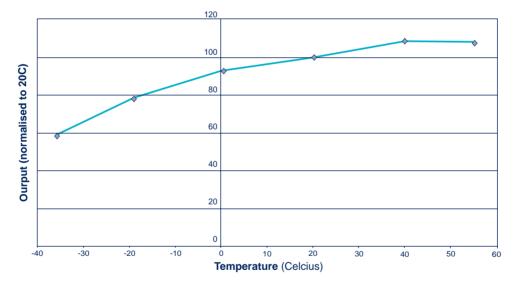


Additional Information

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Temperature performance of H2S (M) Surecells



Cross Sensitivity Table							
Gas	Concentration Used (ppm)	Reading (ppm CO)	Gas	Concentration Used (ppm)	Reading (ppm CO)		
Carbon Monoxide	50	0	Chlorine	0.5	0		
Hydrogen Sulphide	10	10	Hydrogen	100	0		
Sulfur Dioxide	2	0	Ethylene	100	0		
Nitrogen Dioxide	3	0	Carbon Dioxide	5000	0		
Nitric Oxide	25	0	Ammonia	50	0		

In the interest of product improvement, Sixth Sense reserves the right to alter design features and specifications without notice. Unless otherwise stated, all product specifications are quoted at standard temperature and pressure.

*Note: The figures in this table are typical values and should not be used as a basis for cross calibration. Cross sensitivities may not be linear and should not be scaled. All data based on a 5 minute gassing. For some cross interferents break through will occur if gas is applied for a longer time period.