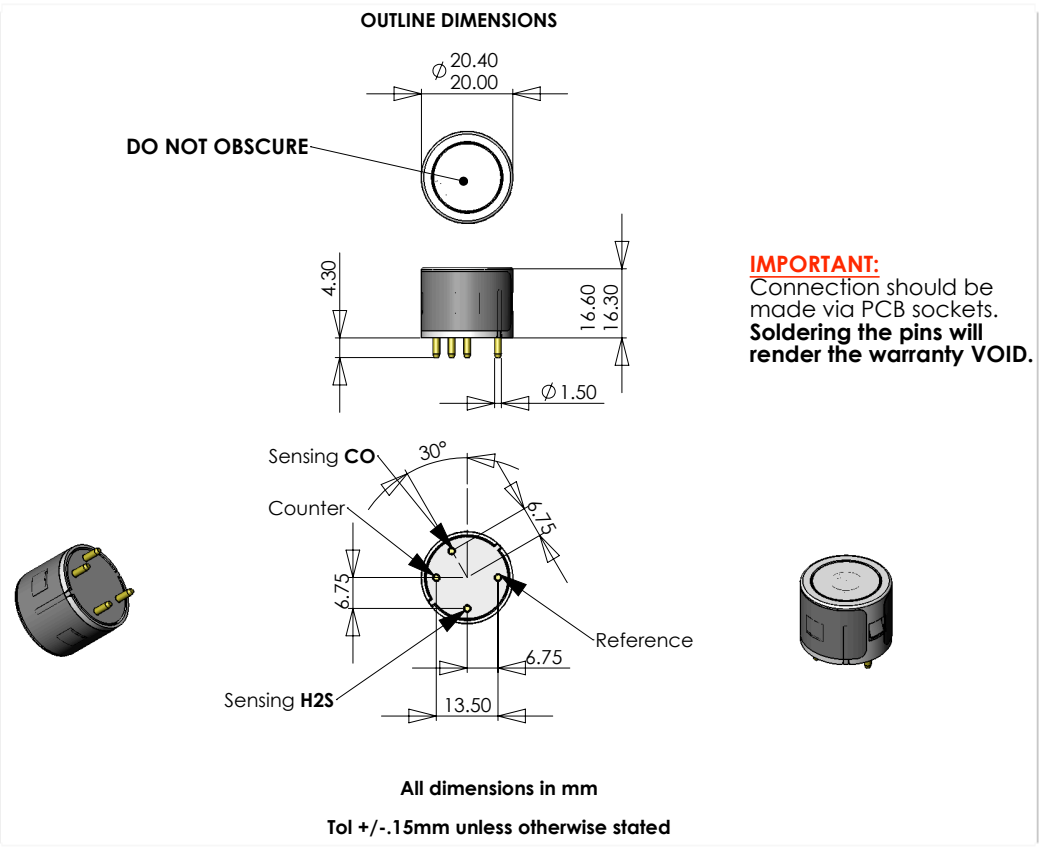
MRB SCIENTIFIC LTD *A fresh approach to gas sensing.*

S+4DT Miniature Dual CO/H_2S Sensor

Performance Characteristics	
Output signal	CO 70 ± 15 nA / ppm
	H_2S 750 ± 280 nA/ppm
Typical Baseline Range (pure air)	CO -2 to +3.5 ppm equivalent
	H_2S -0.5 to +0.5 ppm equivalent
T90 Response Time	<35 seconds
Nominal Range	CO 0 - 500 ppm
	H_2S 0 - 200 ppm
Maximum Overload	CO 1500 ppm
	H_2S 500 ppm
Expected Operating Life	36 months in air
Resolution	1 ppm
Temperature Range	-20°C to + 50°C
Pressure Range	Atmospheric ± 10%
Long Term Output Drift	< 5% signal loss/year
Repeatability	<3% of signal
Recommended Load Resistor	10 ohms
Output Linearity	Linear



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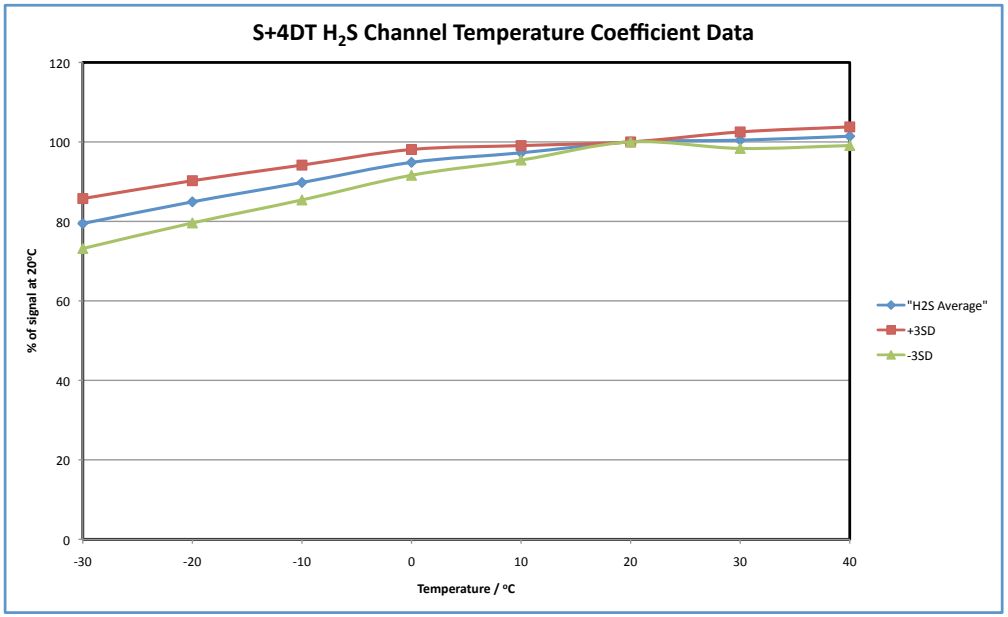
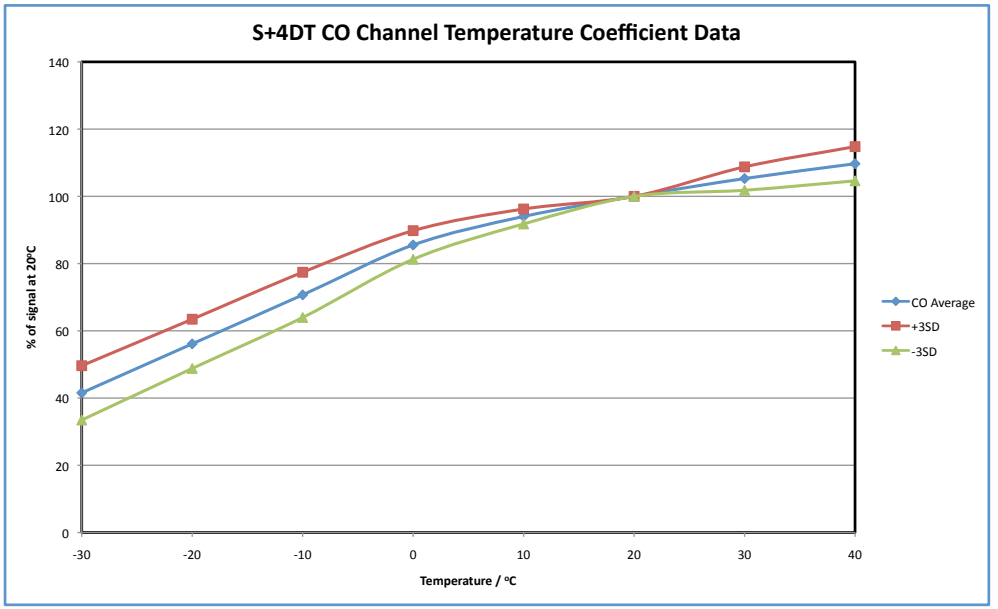
Cross -Sensitivity Data			
GAS	CONC.	S+4DT on CO elec.	S+4DT on H_2S elec.
Carbon Monoxide	200 ppm	200 ppm	<6 ppm
Hydrogen Sulphide	15 ppm	<3 ppm	15 ppm
Sulphur dioxide	5 ppm	<1 ppm	<1 ppm
Hydrogen	100 ppm	<30 ppm	<0.5 ppm
Nitric Oxide	35 ppm	<0.2 ppm	<1 ppm
Nitrogen dioxide	5 ppm	<1 ppm	<0.5 ppm

The cross-sensitivity values quoted are based on tests conducted on a small number of sensors. they are intended to indicate sensor response to gases other then the target gas. Sensors may behave differently with changes in ambient conditions and any batch may show significant variation from the values quoted.





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