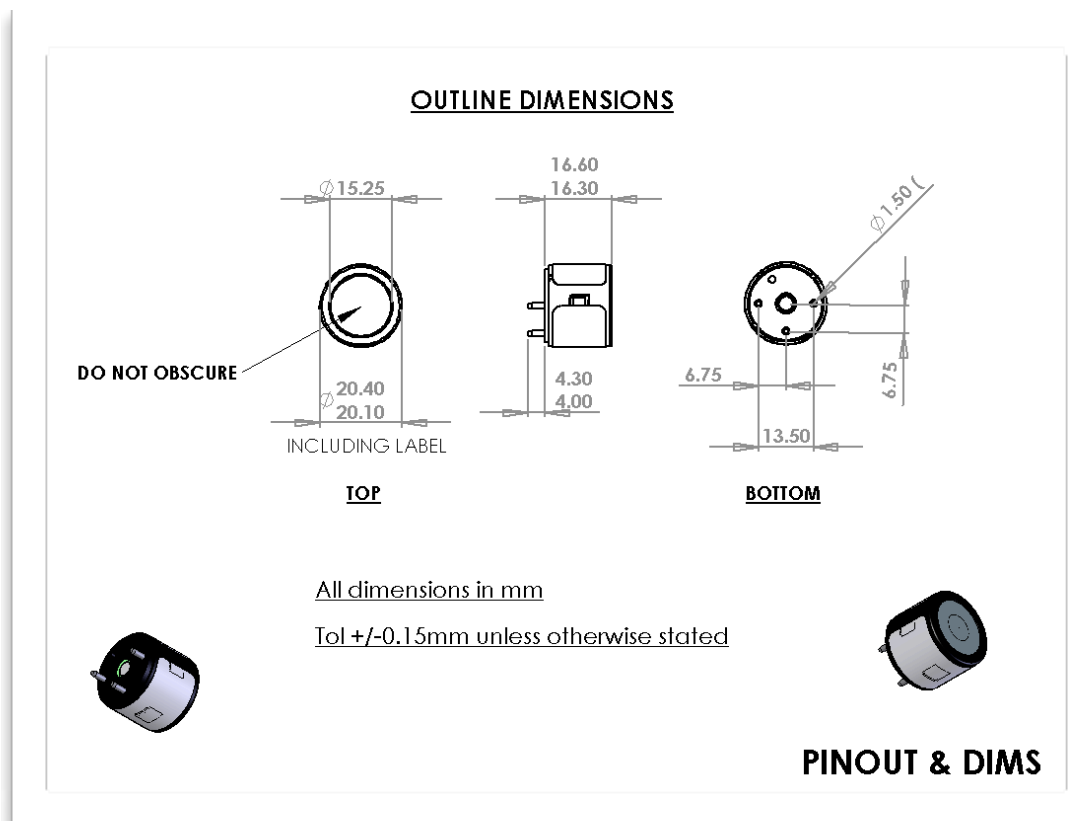


# MRB SCIENTIFIC LTD *A fresh approach to gas sensing.*

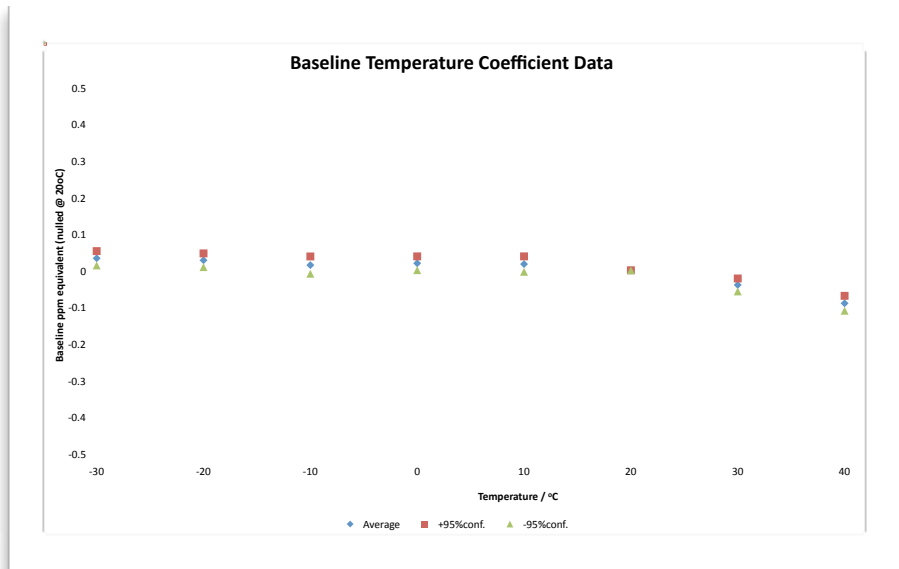
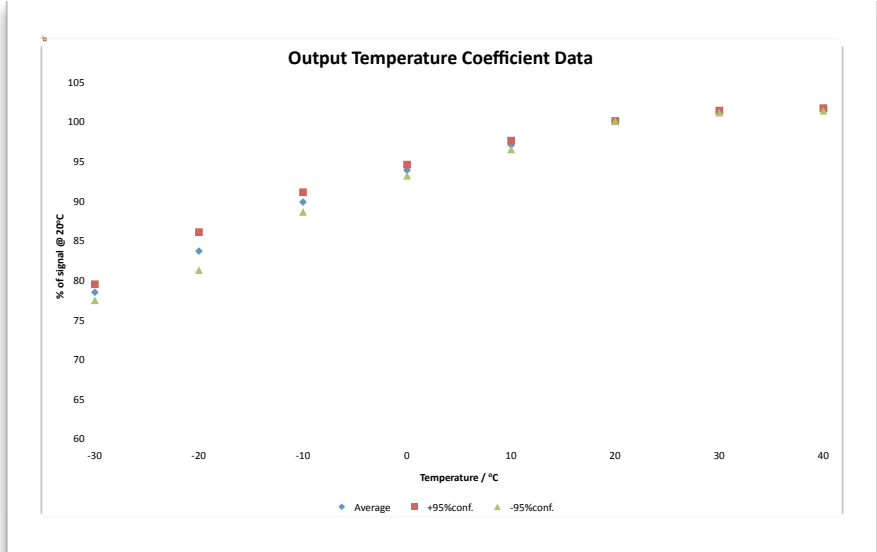
## S+4H2S Miniature H2S Sensor

Performance Characteristics	
Output signal	700 ± 150 nA / ppm
Typical Baseline Range (pure air)	-0.2 to +0.5 ppm equivalent
T90 Response Time	<30 seconds
Nominal Range	0 - 100 ppm
Maximum Overload	500 ppm
Expected Operating Life	24 months in air
Resolution	0.1 ppm
Temperature Range	-40°C to + 50°C
Pressure Range	Atmospheric ± 10%
Long Term Output Drift	< 5% signal loss/ year
Repeatability	<2% of signal
Recommended Load Resistor	10 ohms
Output Linearity	Linear



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Cross -Sensitivity Data		
GAS	CONC.	S+4H2S
Carbon Monoxide	300 ppm	<2 ppm
Sulphur dioxide	5 ppm	1.5 ppm
Hydrogen	100 ppm	<10 ppm
Nitric Oxide	35 ppm	<1 ppm
Ethanol	200 ppm	-1 ppm



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