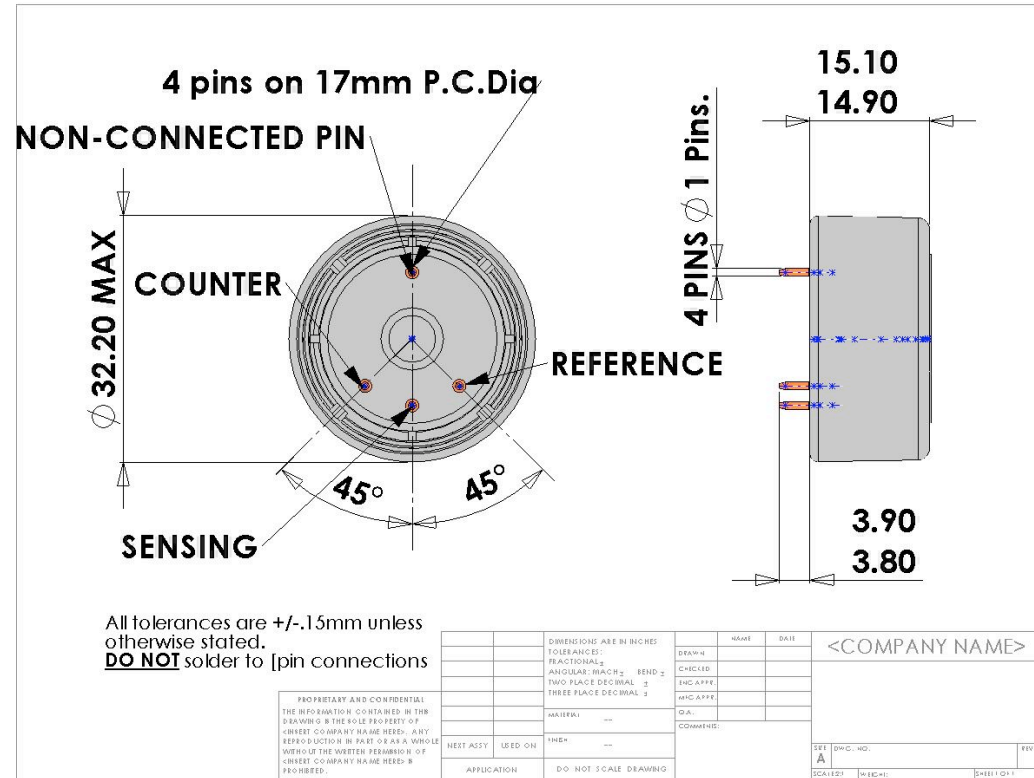


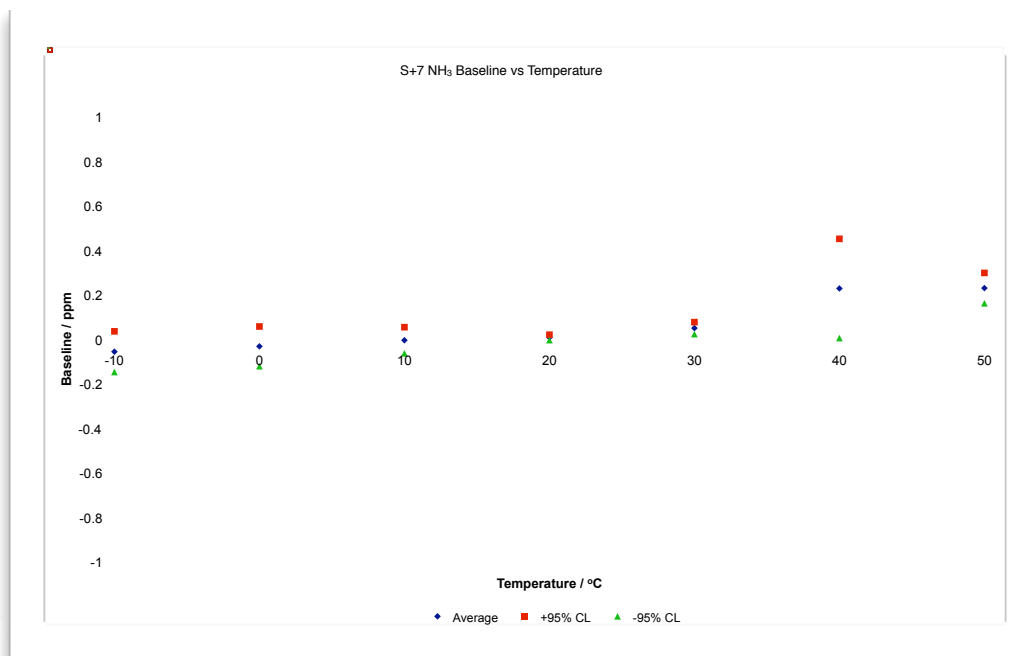
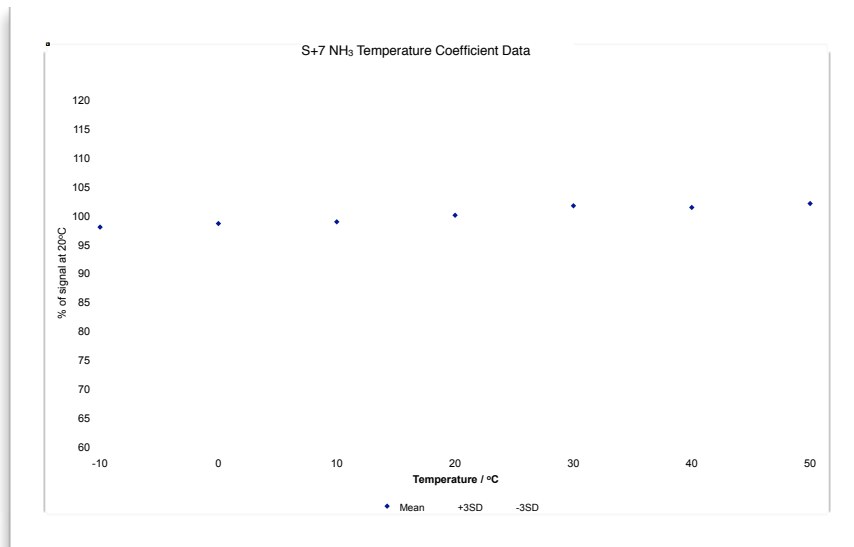
MRB SCIENTIFIC LTD *A fresh approach to gas sensing.*

S+7NH3 Compact NH₃ Sensor

Performance Characteristics	
Output signal	120 ± 50 nA / ppm
Typical Baseline Range (pure air)	-1 to +10 ppm equivalent
T90 Response Time	<90 seconds
Nominal Range	0 - 50 ppm
Maximum Overload	500 ppm
Expected Operating Life	24 months in air
Resolution	0.15 ppm
Temperature Range	-40°C to + 50°C
Pressure Range	Atmospheric ± 10%
Long Term Output Drift	< 3% signal loss/ year
Repeatability	<10% of signal
Recommended Load Resistor	10 ohms
Output Linearity	Linear
Bias Voltage	+300 mV



Cross -Sensitivity Data		
GAS	CONC.	S+7NH3
Carbon Monoxide	300 ppm	<9 ppm
Sulphur dioxide	5 ppm	<1 ppm
Hydrogen	100 ppm	<5 ppm
Nitric Oxide	35 ppm	<6 ppm
Hydrogen Sulphide	15 ppm	<30 ppm



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