GS+7H2S HC

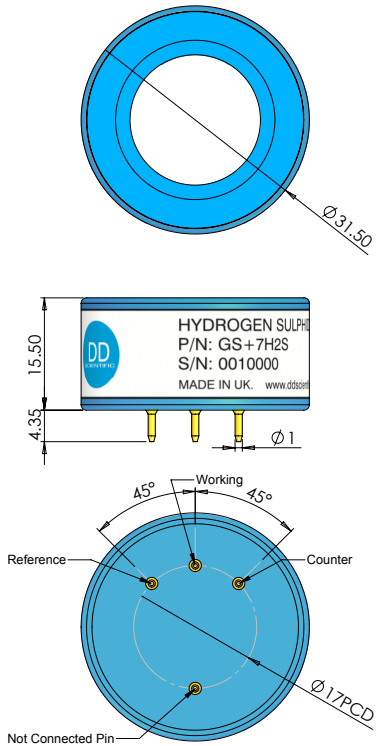
Hydrogen Sulphide Sensor (H_2S)

Introduction The GS+7H2S HC is a world leading premium industrial H_2S sensor, ideal for applications in high concentration applications

Key Features: High measurement range, high stability, fast response and recovery

Performance Characteristics	
Output signal	40 ± 20 nA / ppm
Typical Baseline Range (pure air)	<±1 ppm H2S equivalent
T90 Response Time	< 40 seconds
Measurement Range	0 - 5000 ppm
Maximum Overload	10000 ppm
Linearity (Measurement range)	Linear
Repeatability	< ±1% H2S equivalent
Recommended Load Resistor	10 ohms
Resolution (Electronics dependent)	< 1.0 ppm typical

Environmental Details	
Temperature Range Continuous	-30ºC to +50ºC
Pressure Range	800 to 1200 mbar
Operating Humidity Range	15% to 90% RH



Product Dimensions
All dimensions in mm
All tolerances ±0.15 mm

Important Note:
All performance data is based on conditions at 20ºC, 50%RH and 1 atm, using DD Scientific recommended circuitry.

Sensor performance is temperature dependent, and please contact DD Scientific for temperature performance other than 20ºC.

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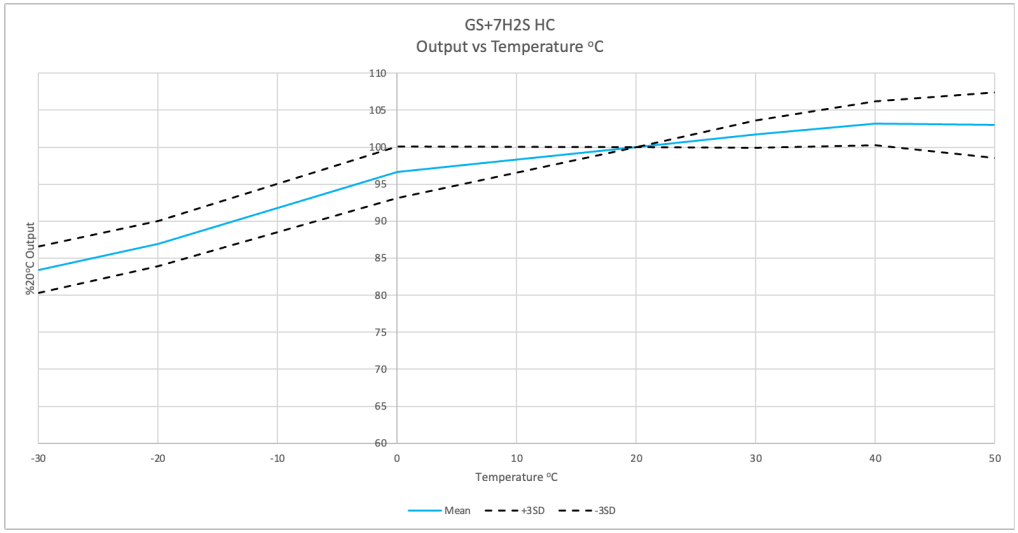
Lifetime Details	
Long Term Output Drift	< 2%/month
Recommended Storage Temp	0°C to 20°C
Expected Operating Life	> 24 months in air
Standard Warranty	24 months from date of dispatch



Cross - Sensitivity Data		
GAS	CONC.	GS+7H2S HC
Carbon Monoxide	200 ppm	<10 ppm
Sulphur dioxide	20 ppm	<3 ppm
Nitrogen Dioxide	20 ppm	-3ppm
Nitric Oxide	50 ppm	<0.5 ppm
Hydrogen	200 ppm	<1ppm
Chlorine	1 ppm	0 ppm
Ethylene	100 ppm	0 ppm
Carbon Dioxide	5000 ppm	0 ppm

Poisoning:
DD Scientific sensors are designed to operate in a wide range of harsh environments and conditions. However, it is important that exposure to high concentrations of solvent vapours is avoided, both during storage, fitting into instrument and operation.
When using sensors on printed circuit boards (PCB's), degreasing agents should be used prior to the sensor being fitted.

Please note gluing or soldering direct to the pins of DD Scientific Ltd gas sensors will void warranty, please use PCB sockets when connecting DD Scientific sensors.

Intrinsic Safety Data	
Maximum at 2000 ppm	0.3 mA
Maximum o/c Voltage	1.3 V
Maximum s/c Current	<1.0 A