Product Data Sheet

P/N : GS+7CL2

GS+7CL2

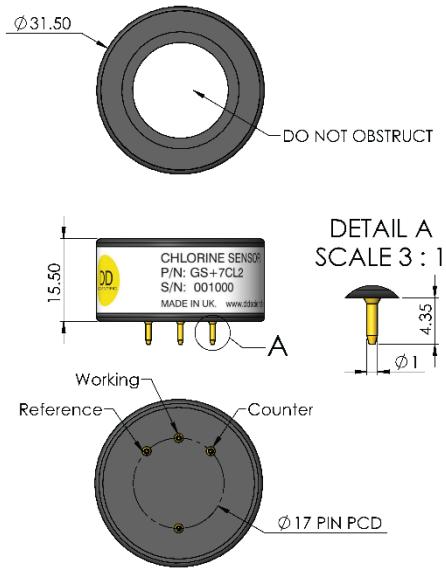
Chlorine Sensor (Cl_2)

Introduction The GS+7CL2 is a premium industrial Cl_2 sensor, suitable for fixed gas detectors.

Key Features: High stability, fast response and recovery, robust environment performance, cost effective.

Performance Characteristics	
Output signal	1100 ± 400 nA / ppm
Typical Baseline Range (pure air)	±0.2 ppm Cl_2 equivalent
T90 Response Time	< 60 seconds
Measurement Range	0 - 20 ppm
Maximum Overload	250 ppm
Linearity	Linear
Repeatability	< ±2% Cl_2 equivalent
Recommended Load Resistor	33 ohms
Resolution (Electronics dependent)	0.1 ppm typical

Environmental Details	
Temperature Range Continuous	-20ºC 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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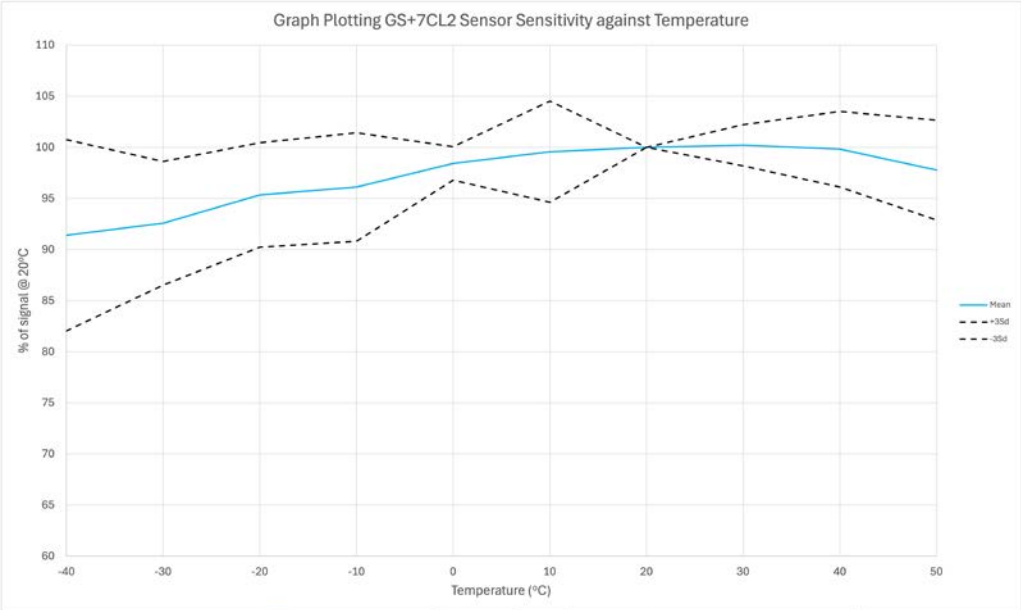
Lifetime Details	
Long Term Output Drift	< 20% per annum
Recommended Storage Temp	0ºC to 20ºC
Expected Operating Life	>12 months in air
Standard Warranty	12 months from date of dispatch

Cross - Sensitivity Data

GAS	CONC.	GS+7CL2
Carbon Monoxide	300 ppm	0ppm
Sulphur Dioxide	20 ppm	< -5ppm
Nitric Oxide	50 ppm	0 ppm
Hydrogen Sulphide	15 ppm	< -1 ppm
Nitrogen Dioxide	5 ppm	< 10ppm



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 250 ppm	< 0.5 mA
Maximum o/c Voltage	1.3 V
Maximum s/c Current	<1.0 A

Note: the output of the GS+7CL2 sensor is of a negative polarity compared to CO or H_2S for example.