#### **Product** Data Sheet

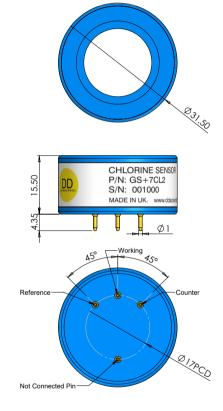
### P/N:GS+7CL2



**Introduction** The GS+7CL2 is a premium industrial Cl<sub>2</sub> sensor, ideal for fixed gas detectors.

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

Performance Characteristics			
Output signal	1000 ± 300 nA / ppm		
Typical Baseline Range (pure air)	±0.2 ppm Cl <sub>2</sub> equivalent		
T90 Response Time	< 60 seconds		
Measurement Range	0 - 20 ppm		
Maximum Overload	250 ppm		
Linearity	Linear		
Repeatability	< ±2% Cl <sub>2</sub> equivalent		
Recommended Load Resistor	33 ohms		
Resolution (Electronics dependent)	0.1 ppm typical		



Product Dimensions All dimensions in mm All tolerances ±0.15 mm

#### Important Note:

**Environmental Details** 

**Operating Humidity Range** 

Pressure Range

**Temperature Range Continuous** 

All performance data is based on conditions at 20°C, 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 20°C.



-20°C to +50°C

800 to 1200 mbar

15% to 90% RH

	-
- (u	
()	DD Scientific

#### **Product** Data Sheet

## P/N:GS+7CL2

# **GS+7CI 2**

Lifetime Details				
Long Term Output Drift	< 20% per annum			
Recommended Storage Temp	0°C to 20°C			
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	0 ppm
Sulphur Dioxide	20 ppm	0 ppm
Nitric Oxide	50 ppm	0 ppm
Hydrogen Sulphide	15 ppm	-5 to 0 ppm
Nitrogen Dioxide	5 ppm	4 to 5 ppm

#### ning:

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

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

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

WARNING: By the nature of the technology used, any electrochemical gas sensor offered by DD Scientific can potentially fail to meet specification without warning. Although DD Scientific Ltd makes every effort to ensure the reliability of our products of this type, where life safety is a performance requirement of the product, we recommend that all sensors and instruments using these sensors are checked for response to gas before use.

Every effort has been made to ensure the accuracy of this document at the time of printing. In accordance with the company's policy of continued product improvement DD SCIENTIFIC Limited reserves the right to make product changes without notice. No liability is accepted for any consequential losses, injury or damage resulting from the use of this document or from any omissions or errors herein. The data is given for guidance only. It does not constitute a specification or an offer for sale. The products are always subject to a program of improvement and testing which may result in some changes in the characteristics quoted. As the products may be used by the client in circumstances beyond the knowledge and control of DD SCIENTIFIC Limited, we cannot give any warranty as to the relevance of these particulars to an application. It is the clients' responsibility to carry out the necessary tests to determine the usefulness of the products and to ensure their safety of operation in a particular application. Performance characteristics on this data sheet outline the performance of newly supplied sensors. Output signal can drift below the lower limit over

