

介绍: GS+4SO2 是一款高性能, 高可靠性的二氧化硫传感器, 可用于便携式和固定式气体探测器。

主要特点: 高稳定性, 快速响应及快速恢复, 适应环境强。

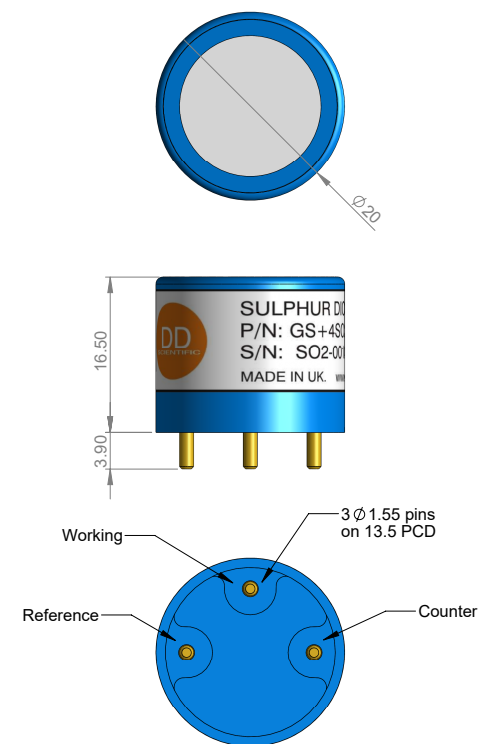
技术 参 数	
输出信号	500 ± 100 nA / ppm
典型的基线范围 (洁净空气中)	±0.5 ppm SO ₂ equivalent
过滤能力	1000 ppm hours @ 25 ppm H ₂ S
T90 响应时间	< 30 seconds
测量范围	0 - 20 ppm
最大过载	150 ppm
线性度	线性到 20 ppm 误差小于±5%
重复性	< ±2% SO ₂ 相当于
推荐负载电阻	10 ohms
分辨率	0.1 ppm typical

使用 环 境	
连续工作温度	-30°C to +50°C
压力范围	800 to 1200 mbar
工作湿度范围	5% to 90% RH

Important Note:

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.



Product Dimensions

All dimensions in mm
All tolerances ±0.15 mm

寿命	
长期输出漂移	< 15% 每年
推荐储藏温度	0°C to 20°C
工作寿命	> 24 月空气中
质保	出货算起12个月

交叉敏感数据		
气体	标准	GS+4SO2
硫化氢	25 ppm	<0.1 ppm
一氧化碳	300 ppm	<1 ppm
氢气	400 ppm	<1 ppm
一氧化氮	50 ppm	0 - 5 ppm
乙烯	50 ppm	<45 ppm
氨气	20 ppm	0 ppm
氯气	15 ppm	<1 ppm
氯化氰	10 ppm	<5 ppm
乙炔	10 ppm	<30 ppm

使用注意事项: **DD Scientific** 传感器可以用于范围很广的严酷环境和条件下, 然而, 无论在储存, 装配仪器和正常操作情况下, 高浓度的毒性溶剂蒸汽是要避免的。当传感器装配于 **PCB** 板前, 先进行板的脱脂清洗处理。
 应使用厂家提供的专用插孔焊接至 **PCB** 板上, 避免直接粘接和焊接传感器, 否则产品质保失效。

Intrinsic Safety Data	
Maximum at 150 ppm	0.1 mA
Maximum o/c Voltage	0.75 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.

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