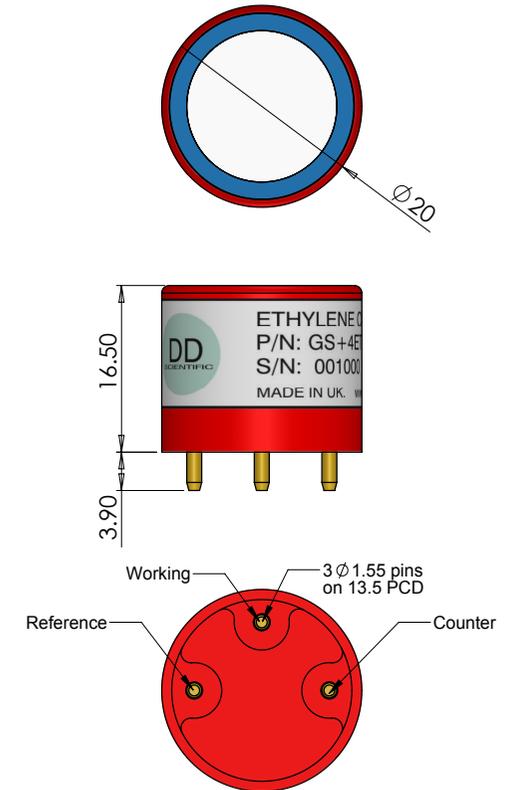


Introduction The GS+4ETO is a premium Ethylene Oxide sensor, ideal for many applications like fruit ripening.

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

| Performance Characteristics | |
|------------------------------------|----------------------------|
| Output signal | 1900 ± 600 nA / ppm |
| Typical Baseline Range (pure air) | 0 to +3 ppm ETO equivalent |
| T90 Response Time | < 120 seconds |
| Measurement Range | 0 - 20 ppm |
| Maximum Overload | 100 ppm |
| Linearity | Linear |
| Repeatability | < ±2% ETO equivalent |
| Recommended Load Resistor | 10 ohms |
| Resolution (Electronics dependent) | 0.1 ppm typical |
| Bias Voltage | +300 mV |
| Environmental Details | |
| Temperature Range Continuous | -20°C to +50°C |
| Pressure Range | 800 to 1200 mbar |
| Operating Humidity Range | 15% 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.

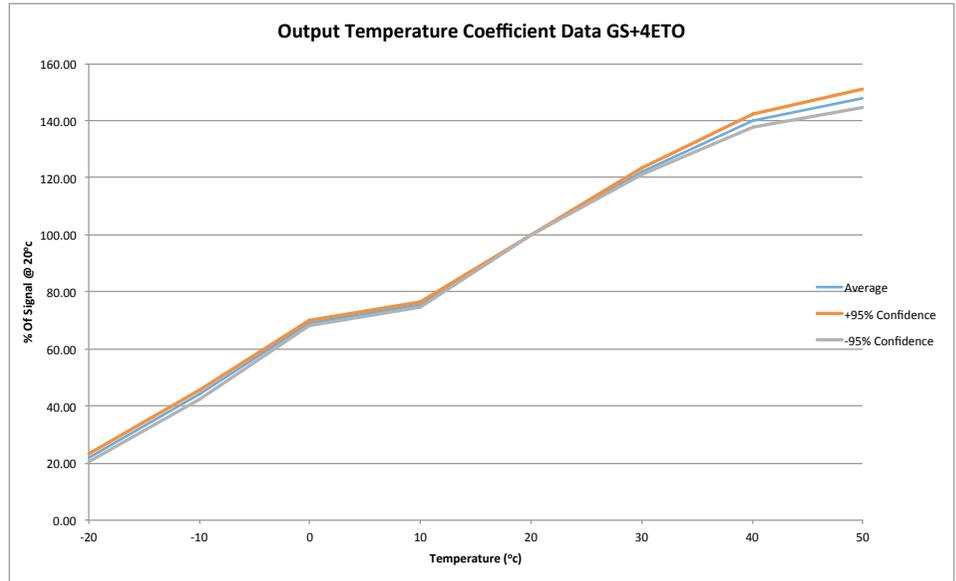
Lifetime Details

| | |
|--------------------------|---------------------------------|
| Long Term Output Drift | < 20% per annum |
| Recommended Storage Temp | 0°C to 20°C |
| Expected Operating Life | > 24 months in air |
| Standard Warranty | 12 months from date of dispatch |

Cross - Sensitivity Data

| GAS | % |
|---------------------|-----|
| Carbon Monoxide | 40% |
| Ethanol | 55% |
| Toluene | 20% |
| Methyl-ethyl-ketone | 10% |

The cross-sensitivity values quoted are based on tests conducted on a small number of sensors. They are intended to indicate sensor response to gases other than the target gas. Sensors may behave differently with changes in ambient conditions and any batch may show significant variation from the values quoted.



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

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