

PERFORMANCE

(measured using Carbon Monoxide)

Range 0 - 1000 ppm
Sensitivity 10 - 36 nA/ppm ETO
Zero in air at 20 °C -200 to +2500 nA
Resolution 10 ppm ETO
Linearity linear across range
Response time, t90 <45 s
Long-term output drift <2% signal/month
Warranty 2 years

OPERATING CONDITIONS

Temperature range -20 to +50 °C
Operating humidity 15 - 90% RH (non-condensing)
Pressure range 90 - 110 kPa (nominal)
Operating circuit see Electrochemical Toxic Sensor Application Note
Applied potential +300 mV
Storage life 6 months in original packaging (0 - 25 °C)

PHYSICAL CHARACTERISTICS

Label colour silver
Weight 5 g approx.
Dimensions see outline

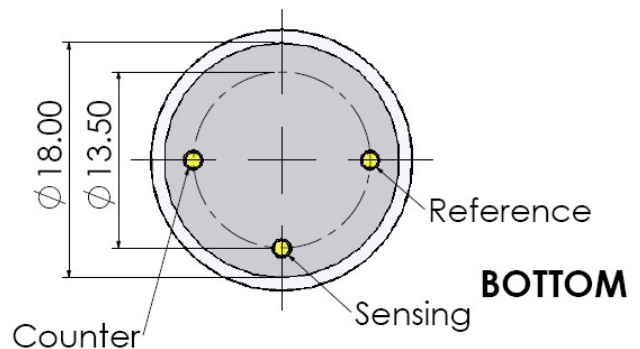
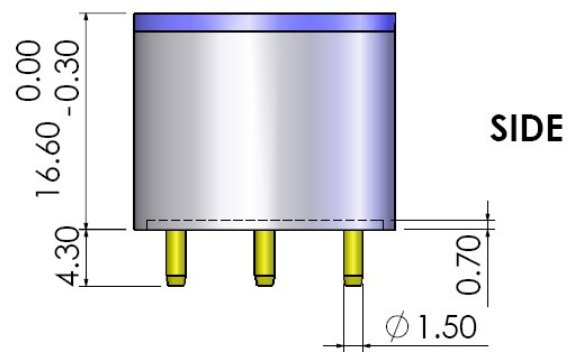
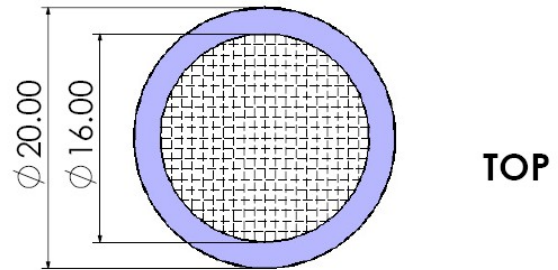
This device is designed to be RoHS compliant.

CROSS-SENSITIVITY DATA

GAS	Concentration ppm	Sensor Response (As ppm CO)
Carbon Monoxide	100	100
Ethylene Oxide	100	387
Ethanol	100	109
Methanol	100	496
Propan-1-ol	100	43
Butan-1-ene	100	104
1,3 Butadiene	100	267
Ethene	100	286
Propene	100	146
Vinyl Chloride	100	177
Vinyl Acetate	100	110
Formic Acid	100	52

Note: This table is for reference only. Calibration should be carried out with the actual gas at a known concentration.

OUTLINE



All dimensions in mm.
All tolerances ± 0.15 mm unless otherwise stated.

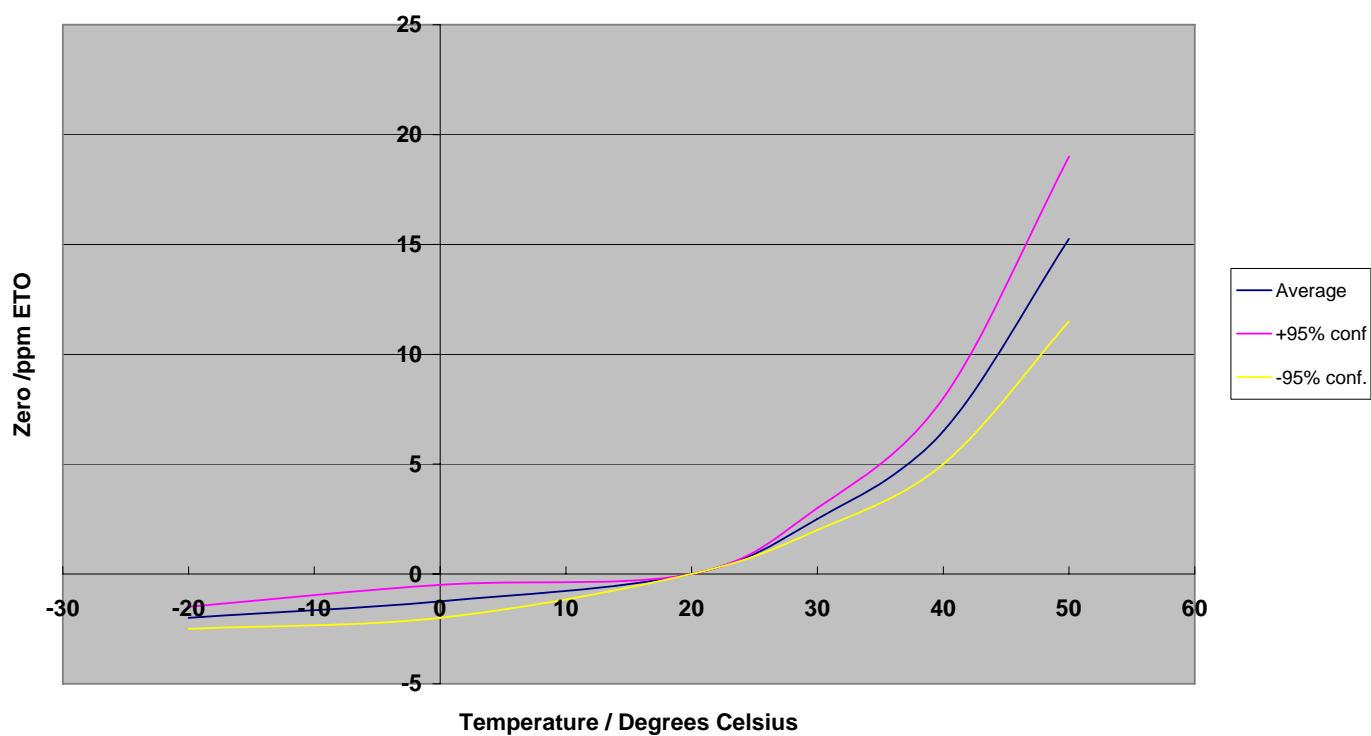
Important Note

Do not solder to the connector pins as this may damage the sensor and thereby invalidate the warranty.

Details on recommended connector pins can be found in the Frequently Asked Questions within the Gas Sensor section of the SGX website.

TEMPERATURE DEPENDENCE

EC4-1000-ETO Graph of Zero vs Temperature



EC4-1000-ETO Graph of Sensitivity (to ETO) vs Temperature

