

## SPECIFICATION SHEET FOR CO/H2S SENSOR

### MINI COSH-4/1000

Nominal Range CO 0 – 1000 ppm/H2S 0-200 ppm  
Maximum Overload CO 2000 ppm/H2S 500 ppm  
Expected Operation Life 2 years in air  
Output Signal CO 85 +/- 25 nA/ppm  
Output Signal H2S 700 +/- 250 nA/ppm  
Inboard Filter >20000 ppm hours  
Resolution CO 1 ppm/H2S 0.5 ppm  
Temperature Range - 20 °C to + 50 °C  
Pressure Range Atmospheric +/-10 %  
t90 Response Time < 25 sec  
Relative Humidity Range 15 % to 90 % R.H. non-condensing  
Typical Baseline Range (pure air, 20°C) - 5 ppm to +5 ppm  
Expected Long Term Output  
Drift < 2 % signal loss/month  
Recommended Load Resistor 10 Ohm  
Bias Voltage Not required  
Repeatability < 2 % of signal  
Output Linearity Linear

Weight ~ 5.4 g  
Position Sensitivity None  
Storage Life Six months in container  
Recommended Storage Temperature 5 °C – 20 °C  
Warranty Period 12 months from date of dispatch

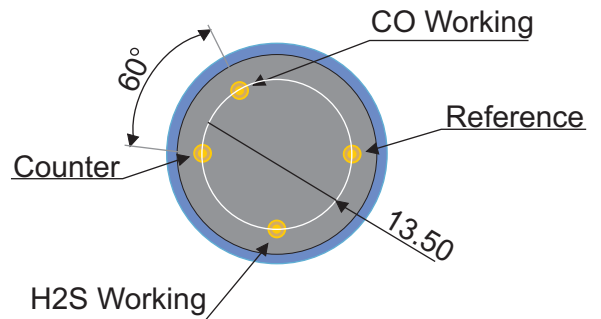
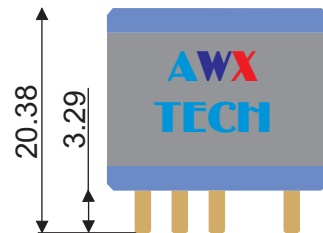
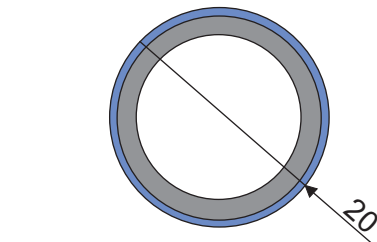
#### CROSS-SENSITIVITY DATA

Interfering Gas Concentration Reading  
H<sub>2</sub>S 25 ppm - CO < 5 ppm/H<sub>2</sub>S 25ppm  
SO<sub>2</sub> 5 ppm -CO 0 ppm/H<sub>2</sub>S < 1 ppm  
H<sub>2</sub> 100 ppm -CO<30 ppm/H<sub>2</sub>S <0.05 ppm  
CO 300- CO 300ppm/H<sub>2</sub>S <5ppm

Performance data conditions: 20 °C, 50% RH and 1013 mbar

#### APPLICATIONS

Safety and Environmental Control Gas Detectors



All dimensions in mm  
All tolerances +/- 0.15 mm