

## SPECIFICATION SHEET FOR H<sub>2</sub>S SENSOR MINI H2S-4/100

Nominal Range 0 – 100 ppm  
Maximum Overload 300 ppm  
Expected Operation Life 2 years in air  
Output Signal 700 +/- 140 nA/ppm  
Resolution 0.1 ppm  
Temperature Range - 40 °C to + 50 °C  
Pressure Range Atmospheric +/-10 %  
t<sub>90</sub> Response Time < 25 sec  
Relative Humidity Range 15 % to 90 % R.H. non-condensing  
Typical Baseline Range (pure air, 20°C) – 0.1 ppm to +0.1 ppm  
Maximum Zero Shift (+20°C to +40 °C) 0.1 ppm equivalent  
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

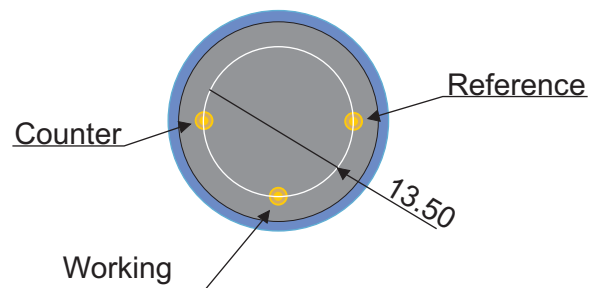
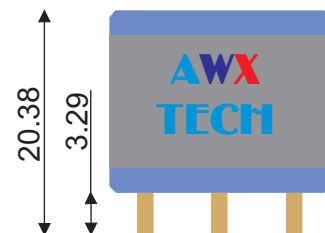
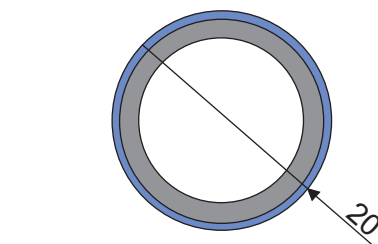
### PERFORMANCE CHARACTERISTICS

#### CROSS-SENSITIVITY DATA

Interfering Gas Concentration Reading  
CO 300 ppm < 3 ppm  
H<sub>2</sub> 300 ppm < 3 ppm  
Performance data conditions:  
20 °C, 50% RH and 1013 mbar

### APPLICATIONS

Safety and Environmental Control  
For Portable Gas Detectors



All dimensions in mm  
All tolerances +/- 0.15 mm