

## SPECIFICATION SHEET FOR NH<sub>3</sub> SENSOR MINI NH3-4/100

Nominal Range 0 – 100 ppm  
Maximum Overload 200 ppm  
Expected Operation Life 2 years in air  
Output Signal 100 +/- 20 nA/ppm  
Resolution 1 ppm  
Temperature Range - 10 °C to + 50 °C  
Pressure Range Atmospheric +/-10 %  
t<sub>90</sub> Response Time < 30 sec  
Relative Humidity Range 15 % to 90 % R.H. non-condensing  
Typical Baseline Range (pure air, 20°C) 0 ppm to +/-4 ppm  
Maximum Zero Shift (+20°C to +40 °C) -8 ppm  
Expected Long Term Output Drift < 5 % signal loss/6 month  
Recommended Load Resistor 10 Ohm  
Bias Voltage Not required  
Repeatability < 3 % of signal  
Output Linearity Linear

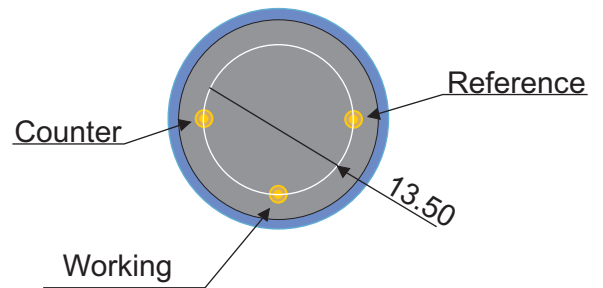
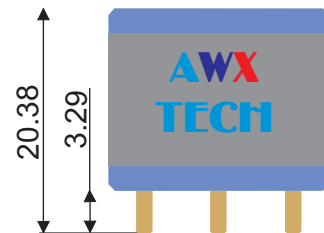
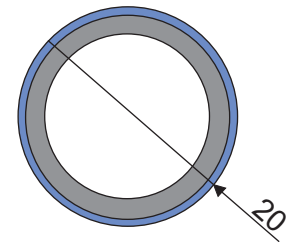
Weight ~ 5.4 g  
Position Sensitivity None  
Storage Life Six months in container  
Recommended Storage Temperature 5 °C – 20 °C  
Warranty Period 12 months from date of dispatch

### CROSS-SENSITIVITY DATA

Interfering Gas Concentration Reading  
CO 300 ppm < 0 ppm  
H<sub>2</sub> 300 ppm < 0 ppm  
SO<sub>2</sub> 20 ppm -7 ppm  
H<sub>2</sub>S 20 ppm 7 ppm  
NO 20 ppm -1 ppm  
NO<sub>2</sub> 20 ppm -20 ppm  
Cl<sub>2</sub> 20 ppm -55 ppm  
CO<sub>2</sub> 2 % 0 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