

# AWX SENSOR TECH

## SPECIFICATION SHEET FOR SO<sub>2</sub> SENSOR STANDARD

### SO2-3/20

Nominal Range 0 – 20 ppm  
Maximum Overload 100 ppm  
Expected Operation Life 2 years in air  
Output Signal 900 +/- 200 nA/ppm  
Resolution 0.1 ppm  
Temperature Range - 40 °C to + 50 °C  
Pressure Range Atmospheric +/-10 %  
t<sub>90</sub> Response Time < 15 sec  
Relative Humidity Range 15 % to 90 % R.H. non-condensing  
Typical Baseline Range (pure air, 20°C) – 0.1 ppm to +0.2 ppm  
Maximum Zero Shift (+20°C to +40 °C) 0.3 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 ~ 28 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 100 ppm < 1 ppm  
H<sub>2</sub>S 10 ppm < 6 ppm  
NO<sub>2</sub> 50 ppm < -60 ppm

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

#### APPLICATIONS

Safety and Environmental Control  
For Fixed Gas Detectors

