

# AWX SENSOR TECH

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

### H2-3/1000

Nominal Range 0 – 1000 ppm  
Maximum Overload 2000 ppm  
Expected Operation Life 2 years in air  
Output Signal 30 +/- 10 nA/ppm  
Resolution 1.2 ppm  
Temperature Range - 40 °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) – 8 ppm to +8 ppm  
Maximum Zero Shift (+20°C to +40 °C) 3.0 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 < 60 ppm

Performance data conditions:

20 °C, 50% RH and 1013 mbar

##### APPLICATIONS

Safety and Environmental Control  
For Fixed Gas Detectors

