

AWX SENSOR TECH

SPECIFICATION SHEET FOR NH₃ SENSOR STANDARD

NH3-3/200

Nominal Range 0 – 100 ppm
Maximum Overload 200 ppm
Expected Operation Life 2 years in air
Output Signal 100 +/- 20 nA/ppm
Resolution 1.0 ppm
Temperature Range - 10 °C to + 40 °C
Pressure Range Atmospheric +/-10 %
t₉₀ Response Time < 50 sec
Relative Humidity Range 15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C) – +/- 7 ppm
Maximum Zero Shift (+20°C to +40 °C) -7.0 ppm
Expected Long Term Output Drift < 1 % 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 < 0 ppm
SO₂ 20 ppm < -5 ppm
NO₂ 20 ppm -20.0 ppm
Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

Safety and Environmental Control
For Portable Gas Detectors

