

AWX SENSOR TECH

SPECIFICATION SHEET FOR C₂H₄ SENSOR STANDARD

C2H4-3/100

Nominal Range 0 – 200 ppm
Maximum Overload 500 ppm
Expected Operation Life 2 years in air
Output Signal 120 +/- 25 nA/ppm
Resolution 0.5 ppm
Temperature Range - 40 °C to + 50 °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) – 1.0 ppm to +3.0 ppm
Maximum Zero Shift (+20°C to +40 °C) 1.0 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 < 55 ppm

Performance data conditions:

20 °C, 50% RH and 1013 mbar

APPLICATIONS

Safety and Environmental Control
For Fixed Gas Detectors

