

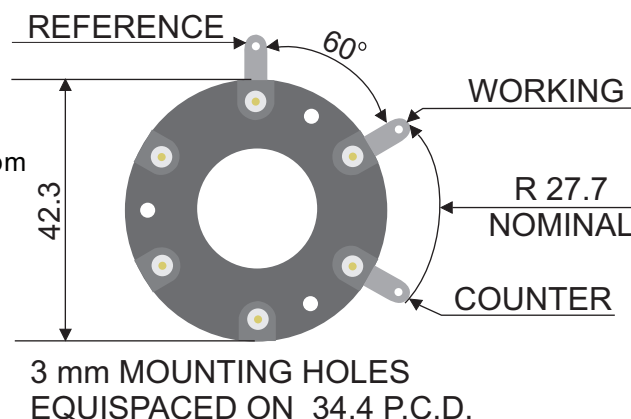


SPECIFICATION SHEET FOR SO₂ SENSOR STANDARD

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 %
t₉₀ 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
H₂S 10 ppm < 6 ppm
NO₂ 50 ppm < -60 ppm

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

APPLICATIONS

Safety and Environmental Control
For Fixed Gas Detectors

