

SPECIFICATION SHEET FOR HIGH SENSITIVE SO₂ SENSOR TYPE SO2/C-1

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 1 ppm
Maximum Overload	10 ppm
Expected Operation Life	2 years in air
Output Signal	4'000 ± 1'500 nA/ppm
Resolution	0.02 ppm
Temperature Range	- 20 °C to 50 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T ₉₀ Response Time	< 20 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing ^(*)
Typical Baseline Range (pure air, 20°C)	< 0.05 ppm
Maximum Zero Shift	ND
Long Term Output Drift	ND
Recommended Load Resistor	10 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

(*) The sensor has no protection against condensation of humidity

CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	100 ppm	< 1 ppm
H ₂ S	34 ppm	~ 30 ppm
NO	100 ppm	0 ppm
NO ₂	100 ppm	~ -125 ppm
H ₂	100 ppm	< 1 ppm
Ethylene	100 ppm	0 ppm

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

APPLICATIONS

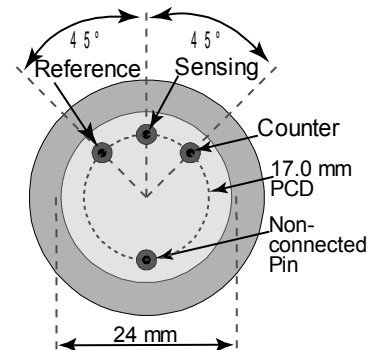
Environmental Control

PHYSICAL CHARACTERISTICS

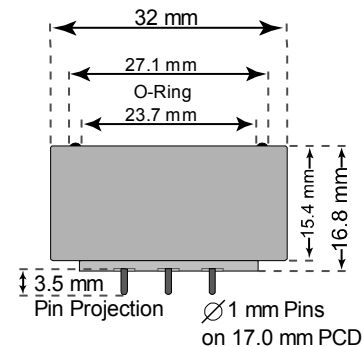
Weight	~ 13 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Compact-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



ATTENTION

Do not press anything against the grid on the top.

The data contained in this document is for guidance only. Membrapor AG accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within it. The data is given for guidance only. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

REV.:08/2013

Page 1 of 1

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