MEMBRAPOR

SPECIFICATION SHEET FOR SO₂ SENSOR TYPE SO₂/C-20

PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 20 ppm	
Maximum Overload	100 ppm	
Expected Operation Life	2 years in air	
Output Signal	1000 ± 300 nA/ppm	
Resolution	0,1 ppm	
Temperature Range	- 20 °C to 45 °C	
Pressure Range	Atmospheric ± 10%	
Pressure Coefficient	No data	
T ₉₀ Response Time	< 15 sec	
Relative Humidity Range	15 % to 90 % R.H.	
	non-condensing	
Typical Baseline Range (pure	< 0,1 ppm	
air, 20°C)		
Maximum Zero Shift	N.D.	
Long Term Output Drift	< 2% signal loss/month	
Recommended Load Resistor	10 Ohm	
Bias Voltage	Not required	
Repeatability	< 2 % of signal	
Output Linearity	Linear	

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

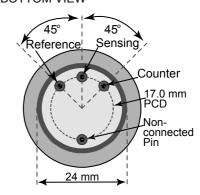
Safety and Environmental Control

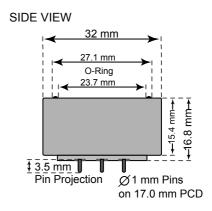
PHYSICAL CHARACTERISTICS

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

Compact-Size Outline Dimensions

BOTTOM VIEW





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.

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