

# MEMBRAPOR

## SPECIFICATION SHEET FOR O<sub>3</sub> Sensor TYPE O3/M-5

### PERFORMANCE CHARACTERISTICS

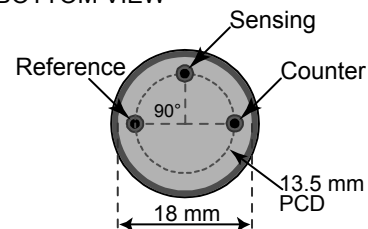
Nominal Range	0 – 5 ppm
Maximum Overload	50 ppm
Expected Operation Life	2 years in air
Output Signal	- 1000 ± 350 nA/ppm
Resolution	0,03 ppm
Temperature Range	- 20 °C to 45 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T <sub>80</sub> Response Time	< 60 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	< 0,15 ppm
Maximum Zero Shift (+20°C to +40°C)	ND
Long Term Output Drift	No data
Recommended Load Resistor	10 – 33 Ohm
Bias Voltage	Not required
Repeatability	< 2 % of signal
Output Linearity	Linear

### PHYSICAL CHARACTERISTICS

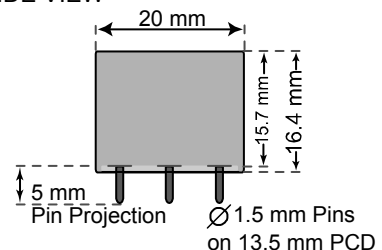
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

### Miniature-Size Outline Dimensions

#### BOTTOM VIEW



#### SIDE VIEW



### CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	300 ppm	0 ppm
SO <sub>2</sub>	5 ppm	0 ppm
NO	35 ppm	0 ppm
H <sub>2</sub>	300 ppm	0 ppm
NO <sub>2</sub>	20 ppm	~ 10 ppm
H <sub>2</sub> S		ND
Ethylene	100 ppm	0 ppm
Cl <sub>2</sub>	5 ppm	~ 4 ppm

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

### APPLICATIONS

Continuous Air Quality Monitoring  
Safety and Environmental Control  
For Portable Gas Detectors

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