

# HIGH PERFORMANCE GAS MEASUREMENT MODULE MAX-O3

Item code: MAX-O3-C5

Description: Internal Sensor module for measuring Ozone gas.

Used for: MAQM-MAX

## SENSOR SPECIFICATION

MEASURING SPECIFICATION	
Measuring technology	Electro-chemical
Measurement range	0-5 ppm
Overload	50 ppm
Resolution	0.001 ppm
Lower Detectable Limit	0.001 ppm
Accuracy	+/- 2% of Reading value
Linearity	< 0.1% of Full scale
Response Time (T80)	< 60s
Operating Pressure	Atmospheric ± 10%
Working Temperature	-40 .. + 50 oC
Working Humidity	15..90% RH non-condensing, continuous
Sensor Life Time	2 years in clean air
Drift in Air	< 2 % signal loss per month
Power supply	9..36VDC, max 30mA

## CROSS SENSITIVITY DATA

The table below does not claim to be complete. Interfering gases should not be used for calibration.

Interfering Gas	Concentration [ppm]	Reading [ppm]
C <sub>2</sub> H <sub>4</sub>	100	0
CH <sub>2</sub> O	7	0
Cl <sub>2</sub>	5	4
CO	100	0
Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	60	0
H <sub>2</sub>	100	0
H <sub>2</sub> S	20	< -20
HCl	20	0
NH <sub>3</sub>	80	0
NO	50	0
NO <sub>2</sub>	5	~ 5
SO <sub>2</sub>	5	0

**Important Application Notes:** NO readily forms NO<sub>2</sub> in the presence of O<sub>2</sub>.

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🕒 Revision #3

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