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_2H_4	100	0
CH_2O	7	0
Cl_2	5	4
CO	100	0
Ethanol (C_2H_5OH)	60	0
H_2	100	0
H_2S	20	< -20
HCl	20	0
NH_3	80	0
NO	50	0
NO_2	5	~ 5
SO_2	5	0

Important Application Notes: NO readily forms NO2 in the presence of O2.

Revision #3
Created Mon, Dec 26, 2022 8:06 PM by Lộc Vĩnh Nguyễn
Updated Mon, Dec 26, 2022 8:19 PM by Lộc Vĩnh Nguyễn