

# HIGH PERFORMANCE GAS MEASUREMENT MODULE MAX-SO2

Item code: MAX-SO2-C20

Description: Internal Sensor module for measuring SO2 gas.

Used for: MAQM-MAX

## SENSOR SPECIFICATION

MEASURING SPECIFICATION	
Measuring technology	Electro-chemical
Measurement range	0-20 ppm
Overload	100 ppm
Resolution	0.001 ppm
Lower Detectable Limit	0.009 ppm
Accuracy	+/- 2% of Reading value
Linearity	< 0.1% of Full scale
Response Time (T90)	< 15s
Operating Pressure	Atmospheric $\pm$ 10%
Working Temperature	-20 .. + 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]
CO	100	< 1
H <sub>2</sub>	100	1
H <sub>2</sub> S	20	~ 17
NO	100	0
NO <sub>2</sub>	100	-125

Important Application Notes:

