

# ELECTROCHEMICAL SENSOR CROSS INTERFERENCE TABLE

## SENSOR

GAS	SENSOR														
	Carbon Monoxide	Carbon Monoxide/Hydrogen Low	Hydrogen Sulfide (Ventis)	Hydrogen Sulfide (TX1, MX6)	Sulfur Dioxide	Nitrogen Dioxide	Chlorine	Chlorine Dioxide	Hydrogen Cyanide	Hydrogen Chloride	Phosphine	Nitric Oxide	Hydrogen	Ammonia	
Carbon Monoxide	100	100	1	1	1	0	0	0	0	0	0	0	20	0	
Hydrogen Sulfide	5	5	100	100	1	-40	-3	-25	10	300	25	10	20	25	
Sulfur Dioxide	0	5	5	5	100	0	0	-5	10	40	-1	0	0	-40	
Nitrogen Dioxide	-5	5	-25	-25	-165	100	45	50	-70	—	-11	30	0	-10	
Chlorine	-10	0	-20	-20	-25	10	100	60	-20	6	-20	0	0	-50	
Chlorine Dioxide	—	—	—	—	—	—	20	100	—	—	—	—	—	—	
Hydrogen Cyanide	15	5	-1	-5	50	1	0	0	100	35	4	0	30	5	
Hydrogen Chloride	3	—	0	0	5	0	2	0	0	100	0	15	0	0	
Phosphine	80	415	60	55	20	-130	-225	-100	425	300	100	10	-30	15	
Nitric Oxide	25	40	1	-0.2	1	5	10	—	-5	—	-1	100	30	0	
Hydrogen	22	3	0.3	0.08	0.5	0	0	0	0	0	0	0	100	0	
Ammonia	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
Acetylene	202	177	0	0	138	0	—	—	—	8	—	—	—	—	
Ethylene	77* (100)	55*	0	0	—	—	—	—	—	—	—	—	—	—	
Ethanol	0* (50)	0* (65)	0	0	—	—	—	—	—	—	—	—	—	—	
Methyl Mercaptan	—	—	—	77	—	—	—	—	—	—	—	—	—	—	
Ethyl Mercaptan	—	—	—	34	—	—	—	—	—	—	—	—	—	—	

\*new sensor ( ) aged sensor or saturated filter — No data available

Table is current as of July 24, 2019

**NOTES:** The table above reflects the percentage response provided by the sensor listed across the top of the chart when exposed to a known concentration of the target gas listed in the left hand column.

The specified cross interference numbers apply to new sensors only and may vary with time. They also vary from sensor to sensor.

The numbers are measured under environment of 20 °C, 50% RH and 1 atm.

This table is given as a guide only and is subject to change.



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