

AEROQUAL Sensors

Cross-sensitivity Data

Aeroqual sensors may exhibit a response to gases other than the target gas. Typical sensor responses to other gases are shown in the Tables below.

Low Ozone Sensor

GAS	Sensor Reading/ppm
Ammonia 25 ppm	-0.02
Butane 1000 ppm	0
Carbon monoxide 100 ppm	0
Carbon dioxide 1000 ppm	0
Chlorine 0.5 ppm	0.2
Ethanol 20 ppm	-0.02
Ethyl acetate 100 ppm	-0.02
Heptane 100 ppm	0
Hydrogen sulfide 4 ppm	-0.1
Isopropanol 20 ppm	0
Methane 5000 ppm	0
Nitrogen dioxide 0.5 ppm	0.1
Ozone 0.3 ppm	0.3
Perchloroethylene 50 ppm	0
Propane 5000 ppm	0
Sulfur dioxide 10 ppm	0
Toluene 50 ppm	0

High Ozone Sensor

GAS	Sensor Reading/ppm
Ammonia 25 ppm	-10
Butane 1000 ppm	0
Carbon monoxide 100 ppm	0
Carbon dioxide 1000 ppm	0
Chlorine 0.5 ppm	0.5
Ethanol 20 ppm	-0.5
Ethyl acetate 100 ppm	-0.5
Heptane 100 ppm	0
Hydrogen sulfide 4 ppm	-1
Isopropanol 20 ppm	-0.5
Methane 5000 ppm	0
Nitrogen dioxide 0.5 ppm	0.5
Ozone 1 ppm	1
Perchloroethylene 50 ppm	0
Propane 5000 ppm	0
Sulfur dioxide 10 ppm	0
Toluene 50 ppm	0