

PS1/PS4-VOC-1000

An in-depth analysis of cross-sensitivities and thresholds of the gasses detected by the Total VOC Sensor by SGX Sensortech

		Cross-sensitivity Statistics		Threshold and Health Statistics									
		Test Conc. (ppm)	Sensor Reading (ppm)	Odor Threshold (ppm)	Irritation Threshold (ppm)	NIOSH Recommended Exposure Limit (ppm)			OSHA Permissible Exposure Limit (ppm)			IDLH (ppm)	Source(s)
VOC	Formula					Time Weighted Average (ppm)	Short Term Exposure Limit (ppm)	Ceiling (ppm)	Time Weighted Average (ppm)	Short Term Exposure Limit (ppm)	Ceiling (ppm)		
Acetaldehyde	C ₂ H ₄ O	5	3.84	0.05	90	-	-	-	200	-	-	2000	NIOSH
Acetic Acid	CH ₃ COOH	5	1.1	0.48 - 1	90	10	15	-	10	-	-	50	NIOSH
Acetylene	C ₂ H ₂	5	1.64	226	TODD	-	-	2500	-	-	-	n/a	NIOSH
Acrylonitrile	C ₃ H _{3.5} N	5	0.4	1.6	TODD	1	10	-	2	-	10	85	NIOSH
Ammonia	NH ₃	5	1.5	5.0-53	300-600	25	35	-	50	-	-	300	NIOSH
Benzene	C ₆ H ₆	5	1.1	1.5-4.7	TODD	0.1	10	-	1	5	-	500	NIOSH
Butadiene	C ₄ H ₆	5	8.68	1 - 1.6	TODD	-	-	-	1	5	-	2000	NIOSH
Carbon Disulfide	CS ₂	5	1.23	0.1-0.2	TODD	1	10	-	20	-	30	500	NIOSH
Carbon Monoxide	CO	5	3.38	undetectable	TODD	35	200	-	50	-	-	1200	NIOSH
Dimethyl Disulfide	C ₄ H ₈ S ₂	2	6.79	0.007 - 0.012	TODD	0.1	-	-	1	-	-	7	NIOSH
Ethanol	C ₂ H ₅ OH	5	1.83	10	TODD	1000	-	-	1000	-	-	3300	NIOSH
Ethyl Mercaptan	C ₂ H ₅ S	5	8.97	0.00035	TODD	-	-	0.5	-	-	10	500	NIOSH
Ethylene	C ₂ H ₄	5	0.59	260	TODD	< 0.1	-	5	1.0 - 5.0	-	-	800	NIOSH
Formaldehyde	HCHO	5	5.29	0.05 - 1	TODD	0.016	-	0.1	0.75	2	-	20	NIOSH
Formic Acid	HCOOH	5	5.37	49	TODD	5	-	-	5	-	-	30	NIOSH
Hydrogen	H ₂	5	1.15	undetectable	undetectable	-	-	-	-	-	-	Not applicable	n/a
Hydrogen Chloride	HCl	5	0.27	0.255 - 10.06	TODD	-	-	5	-	-	5	50	NIOSH
Hydrogen Cyanide	HCN	5	0.36	2 - 10 ppm	TODD	-	4.7	-	10	-	-	50	NIOSH
Isobutane	C ₄ H ₁₀	5	5	7	TODD	800	-	-	-	-	-	n/a	NIOSH
Methanol	CH ₃ OH	5	5.96	100	TODD	200	250	-	200	-	-	6000	NIOSH
Methyl Mercaptan	CH ₃ S	5	7	0.002	TODD	-	-	0.5	-	-	10	150	NIOSH
N-pyrene	C ₁₀ H ₈	5	0.59	0.09 - 0.4	TODD	100	150	-	100	-	200	900	NIOSH
Styrene	C ₈ H ₈	0.5	7.5	0.04 - 0.32	TODD	50	100	-	100	-	200	700	NIOSH
Sulfur Dioxide	SO ₂	5	5	0.67 - 4.75	TODD	2	5	-	5	-	-	100	NIOSH
Toluene	C ₇ H ₈	5	0.81	2.5	TODD	100	150	-	200	-	300	500	NIOSH
Trimethylamine	C ₃ H ₉ N	5	0.65	0.000032	TODD	10	15	-	-	-	-	n/a	NIOSH
Diving Lampblack	unsaturated hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Volatilization	Aliphatic/ aromatic	-	-	-	-	-	-	-	-	-	-	-	-

COMMENTS	the bottom two rows are more describing testing conditions rather than gasses themselves.	-	-	-	not a lot of standardized methods documented; values to be looked into further.	-	-	-	TWA = time weighted average STEL = short term exposure limit ST = "	-	-	-	-
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SGX Senortech Sensor Review

A list of various SGX Sensortech VOC-sensor specifications, based off literature review by Sarah Walden.

Volatile Organic Compound	Sensor Model(s)	Distributor	VOC-Specific?	Detection Technology	Measurement Range	Link
Acetic Acid (CH ₃ COOH)		-	FALSE		-	
Acetylene (C ₂ H ₂)	IB14BQ	-	TRUE	Infrared	-	
	IB604	-	TRUE	Infrared	-	
Acrylonitrile (C ₃ H _{3.5} N)		-	FALSE		-	
Ammonia (NH ₃)	VQ41TSB	-	TRUE	Catalytic Bead (Pellictor)	-	VQ41TSB
	SGX-NH3-500	-	TRUE	Electrochemical	-	SGX-NH3-500
	SGX-4NH3	-	TRUE	Electrochemical	-	SGX-4NH3
	SGX-4NH3-100	-	TRUE	Electrochemical	-	SGX-4NH3-100
	SGX-4NH3-300	-	TRUE	Electrochemical	-	SGX-4NH3-300
	SGX-4NH3-1000	-	TRUE	Electrochemical	-	SGX-4NH3-1000
	SGX-7NH3-100	-	TRUE	Electrochemical	-	SGX-7NH3-100
	SGX-7NH3-1000	-	TRUE	Electrochemical	-	SGX-7NH3-1000
Benzene (C ₆ H ₆)	PS1- / PS4-NH3-100	-	TRUE	Electrochemical	-	PS1- / PS4-NH3-100
	IB12xx	-	FALSE		-	
	IB14TT-Q	-	FALSE		-	
Butadiene (C ₄ H ₆)		-	FALSE		-	
Carbon Disulfide (CS ₂)		-	FALSE		-	
Ethanol (C ₂ H ₅ O)		-	FALSE		-	
Ethylene (C ₂ H ₄)		-	FALSE		-	
Ethylene Oxide (C ₂ H ₄ O)		-	FALSE		-	
Formaldehyde (HCHO)	PS1- / PS4-HCNO-5	-	TRUE	Electrochemical	-	
	PS1- / PS4-HCNO-100*	-	TRUE	Electrochemical	-	
Formic Acid (HCOOH)		-	FALSE		-	
Hydrogen (H ₂)	PS1- / PS4-H2-20000	-	FALSE		-	
		-	FALSE		-	
		-	FALSE		-	
		-	FALSE		-	
Hydrogen Chloride (HCl)		-	FALSE		-	
Hydrogen Cyanide (HCN)		-	FALSE		-	
Isobutene (C ₄ H ₈)		-	FALSE		-	
Methanol (CH ₃ OH)		-	FALSE		-	
Methyl Mercaptan (CH ₃ S)		-	FALSE		-	
Methyl Sulfide (C ₂ H ₆ S)		-	FALSE		-	
Nitrogen Dioxide (NO ₂)		-	FALSE		-	
O-Xylene (C ₈ H ₁₀)		-	FALSE		-	
Styrene (C ₈ H ₈)		-	FALSE		-	
Toluene (C ₇ H ₈)		-	FALSE		-	
Trimethylamine (C ₃ H ₉ N)		-	FALSE		-	

VOCs in green are common

* = module

Liquid...?

VOC by definition, i.e. high vapor pressure and low water solubility

Composition of Electrosurgical Smoke

An analysis of the components of the gaseous byproduct present during LEEP procedures.

based of literature by Yi Liu, et al.

TABLE 1 - Undetected chemicals

Chemical	Hazards class	Lowest Mass of Detection (mg/m ³)	Air sample before LEEP (mg/m ³)	Smoke sample during LEEP (mg/m ³)
Benzene	1	0.01	< 0.01	< 0.01
Toluene	3	0.01	< 0.01	< 0.01
Xylene	3	0.01	< 0.01	< 0.01
Ethylbenzene	2B	0.01	< 0.01	< 0.01
Styrene	2A	0.01	< 0.01	< 0.01
Butyl acetate	3	0.02	< 0.02	< 0.02
Henecane	n/a	0.01	< 0.01	< 0.01
Acetone	n/a	0.02	< 0.02	< 0.02
Acrylonitrile	2B	0.02	< 0.02	< 0.02
1,2-dichloroethane	2B	0.02	< 0.02	< 0.02
Phenol	3	0.5	< 0.5	< 0.5
Chlorine	3	0.2	< 0.2	< 0.2
Cyanide	1	0.02	< 0.02	< 0.02
Hydrogen cyanide	1	0.1	< 0.1	< 0.1
Carbon monoxide	n/a	0.1	< 0.1	< 0.1

TABLE 2 - Detected chemicals

Chemical	Hazards class	Lowest Mass of Detection (mg/m ³)	Air sample before LEEP	Smoke sample during LEEP	P value
Carbon dioxide	n/a	0.01	0.072 +- 0.007 %	0.098 +- 0.015 %	< 0.001
Formaldehyde	1	0.01	0.012 +- 0.001 mg/m ³	0.023 +- 0.009 mg/m ³	< 0.05

SGX Sensors - Mouser

A comprehensive list of all Series 4/7, PSI/4, and SGX models of sensors offered by Amphenol SGX SensorTech

Mouser Part Number	Mfr Part Number	Datasheet	Availability	Pricing	RoHS	Lifecycle	Product Detail	Type	Sensor Type	Maximum Operating Temperature	Minimum Operating Temperature	Operating Supply Voltage	Series
523-SGX-4NH3-1000	SGX-4NH3-1000	https://sgx.net/110	https://sgx.net/110	\$93.90	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	+50°C	-40°C	1.3V			
523-SGX-70K	SGX-70K	https://sgx.net/74	https://sgx.net/74	\$46.69	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	+50°C	-30°C	900 mV			
523-VQS4MP	VQS4MP	https://sgx.net/64	https://sgx.net/64	\$55.66	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Flammable-Gas	https://www.mouser.com/Gas-Sensor-Flammable-Gas	+50°C	-40°C	2.9Vto3.1V	VQ500		
523-PS1-H2-1000	PS1-H2-1000	https://sgx.net/60	https://sgx.net/60	\$61.17	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-(H2)	https://www.mouser.com/Gas-Sensor-Hydrogen-(H2)	+55°C	-40°C				
523-SGX-4H2S-100	SGX-4H2S-100	https://sgx.net/30	https://sgx.net/30	\$42.11	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-30°C	1.3V			
523-PS4-H2-100	PS4-H2-100	https://sgx.net/26	https://sgx.net/26	\$121.79	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-40°C				
523-SR1-101	SR1-101	https://sgx.net/25	https://sgx.net/25	\$183.98	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+50°C	-20°C	3Vto5V	IRI Series 2		
523-SGX-4ET0	SGX-4ET0	https://sgx.net/25	https://sgx.net/25	\$103.41	RoHS Compliant	https://www.mouser.com/Gas-Sensor	https://www.mouser.com/Gas-Sensor	+50°C	-20°C	1.3V			
523-PS4-CO-100	PS4-CO-100	https://sgx.net/24	https://sgx.net/24	\$94.47	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+55°C	-40°C				
523-SR1-12H	SR1-12H	https://sgx.net/23	https://sgx.net/23	\$201.38	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	+50°C	-20°C	3Vto5V	IRI Series 2		
523-SGX-BR2-5	SGX-BR2-5	https://sgx.net/23	https://sgx.net/23	\$259.82	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+40°C	-20°C				
523-SGX-4NH3-100	SGX-4NH3-100	https://sgx.net/23	https://sgx.net/23	\$134.15	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	+50°C	-20°C	1.3V			
523-PS4-CO2-25N	PS4-CO2-25N	https://sgx.net/22	https://sgx.net/22	\$139.78	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	+50°C	-20°C				
523-PS1-CO2-25N	PS1-CO2-25N	https://sgx.net/22	https://sgx.net/22	\$78.94	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	https://www.mouser.com/Gas-Sensor-Oxygen-(O2)	+55°C	-40°C	3.3Vto5.5V			
523-EC4-2000-SO2	EC4-2000-SO2	https://sgx.net/21	https://sgx.net/21	\$116.27	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	+50°C	-20°C				
523-SR1E1	SR1E1	https://sgx.net/20	https://sgx.net/20	\$156.83	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	+50°C	-20°C	3Vto5V	IRI Series 1		
523-SGX-4CO2-30	SGX-4CO2-30	https://sgx.net/20	https://sgx.net/20	\$91.46	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+50°C	-20°C				
523-PS4-HCHO-5	PS4-HCHO-5	https://sgx.net/19	https://sgx.net/19	\$112.87	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+55°C	-20°C				
523-SR1-18H	SR1-18H	https://sgx.net/18	https://sgx.net/18	\$178.79	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	+55°C	-20°C	3Vto5V	IRI Series 2		
523-PS4-CO-1000	PS4-CO-1000	https://sgx.net/18	https://sgx.net/18	\$84.14	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-40°C				
523-R2D21	R2D21	https://sgx.net/18	https://sgx.net/18	\$178.19	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+55°C	-20°C	3Vto5V	IRI Series 1		
523-SGX-HCO2-30	SGX-HCO2-30	https://sgx.net/18	https://sgx.net/18	\$216.31	RoHS Compliant	https://www.mouser.com/Gas-Sensor	https://www.mouser.com/Gas-Sensor	+50°C	-20°C				
523-SGX-4CL2	SGX-4CL2	https://sgx.net/18	https://sgx.net/18	\$113.56	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Chlorine-(Cl2)	https://www.mouser.com/Gas-Sensor-Chlorine-(Cl2)	+50°C	-20°C	1.3V			
523-PS1-VOC-10	PS1-VOC-10	https://sgx.net/17	https://sgx.net/17	\$48.86	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+50°C	-40°C				
523-PS1-CO-1000	PS1-CO-1000	https://sgx.net/16	https://sgx.net/16	\$61.18	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-40°C	1.3V			
523-SGX-4CO2-LC	SGX-4CO2-LC	https://sgx.net/16	https://sgx.net/16	\$41.83	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-30°C				
523-PS4-PSA-VOC-1000	PS4-PSA-VOC-1000	https://sgx.net/15	https://sgx.net/15	\$48.86	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	+55°C	-40°C				
523-PS1-CO3-100	PS1-CO3-100	https://sgx.net/15	https://sgx.net/15	\$59.23	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+55°C	-40°C	3.3Vto5.5V			
523-PS1-H2S-100	PS1-H2S-100	https://sgx.net/15	https://sgx.net/15	\$61.17	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+55°C	-40°C				
523-SR1-25H	SR1-25H	https://sgx.net/15	https://sgx.net/15	\$181.17	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+50°C	-20°C	3Vto5V	IRI Series 2		
523-PS4-O3-5	PS4-O3-5	https://sgx.net/15	https://sgx.net/15	\$139.78	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+40°C	-20°C				
523-CO2-PS1-CO-100	PS1-CO-100	https://sgx.net/14	https://sgx.net/14	\$48.86	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-40°C				
523-PS4-SO2-50	PS4-SO2-50	https://sgx.net/14	https://sgx.net/14	\$112.87	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	+55°C	-40°C				
523-SGX-BURECO	SGX-BURECO	https://sgx.net/14	https://sgx.net/14	\$58.88		https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+55°C	-20°C				
523-PS1-HCHO-5	PS1-HCHO-5	https://sgx.net/13	https://sgx.net/13	\$55.86	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+55°C	-20°C				
523-PS4-VOC-10	PS4-VOC-10	https://sgx.net/13	https://sgx.net/13	\$94.47	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	+55°C	-40°C				
523-7N65-100	SGX-7N65-100	https://sgx.net/13	https://sgx.net/13	\$134.15	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	+50°C	-20°C	1.3V			
523-VQS4MP2-DA	VQS4MP2-DA	https://sgx.net/12	https://sgx.net/12	\$61.89		https://www.mouser.com/Gas-Sensor-Flammable-Gas	https://www.mouser.com/Gas-Sensor-Flammable-Gas	+40°C	-40°C	2.9Vto3.1V			
523-PS4-H2S-10	PS4-H2S-100	https://sgx.net/12	https://sgx.net/12	\$96.94	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+55°C	-40°C				
523-SGX-4CO2	SGX-4CO2	https://sgx.net/12	https://sgx.net/12	\$91.60	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	+50°C	-40°C	750 mV			
523-PS4-VOC-200	PS4-VOC-200	https://sgx.net/11	https://sgx.net/11	\$94.47	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	+55°C	-40°C				
523-PS1-VOC-200	PS1-VOC-200	https://sgx.net/11	https://sgx.net/11	\$49.39	RoHS Compliant	https://www.mouser.com/Gas-Sensor	https://www.mouser.com/Gas-Sensor	+55°C	-40°C				
523-SGX-7N63-100	SGX-7N63-100	https://sgx.net/11	https://sgx.net/11	\$122.83	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	+50°C	-30°C	1.3V			
523-PS1-NO2-50	PS1-NO2-50	https://sgx.net/10	https://sgx.net/10	\$61.17	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	+55°C	-40°C				
523-SGX-F-5	SGX-F-5	https://sgx.net/9	https://sgx.net/9	\$231.39	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+40°C	-20°C	1.3V			
523-SGX-4NO2-3E	SGX-4NO2-3E	https://sgx.net/9	https://sgx.net/9	\$53.37	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	+50°C	-30°C				
523-SGX-HF-10	SGX-HF-10	https://sgx.net/9	https://sgx.net/9	\$235.21	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+55°C	-20°C				
523-EC4-20-NO2	EC4-20-NO2	https://sgx.net/8	https://sgx.net/8	\$132.58	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	+50°C	-20°C				
523-EC4-1000-H2S	EC4-1000-H2S	https://sgx.net/8	https://sgx.net/8	\$117.27	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-20°C				
523-PS1-H2S-500	PS1-H2S-500	https://sgx.net/8	https://sgx.net/8	\$244.17	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-20°C				
523-SR1-28D	SR1-28D	https://sgx.net/8	https://sgx.net/8	\$206.46	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+55°C	-20°C	3Vto5V	IRI Series 2		
523-7N63-7N62	SGX-7N63-7N62	https://sgx.net/8	https://sgx.net/8	\$118.26	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+50°C	-20°C				
523-PS4-CO3-100	PS4-CO3-100	https://sgx.net/8	https://sgx.net/8	\$139.99	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+40°C	-20°C				
523-PS1-O3-5	PS1-O3-5	https://sgx.net/7	https://sgx.net/7	\$81.85	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	https://www.mouser.com/Gas-Sensor-Ozone-(O3)	+55°C	-40°C	3.3Vto5.5V			
523-SGX-CL2	SGX-CL2	https://sgx.net/7	https://sgx.net/7	\$122.53	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Chlorine-(Cl2)	https://www.mouser.com/Gas-Sensor-Chlorine-(Cl2)	+50°C	-20°C				
523-SGX-7N63-100	SGX-7N63-100	https://sgx.net/7	https://sgx.net/7	\$71.87	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-40°C				
523-SGX-4H2S-300	SGX-4H2S-300	https://sgx.net/6	https://sgx.net/6	\$47.49	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+50°C	-30°C	1.3V			
523-PS4-H2S-600	PS4-H2S-600	https://sgx.net/6	https://sgx.net/6	\$69.63	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	https://www.mouser.com/Gas-Sensor-Hydrogen-Sulfide-(H2S)	+55°C	-40°C				
523-SGX-4NO2-250	SGX-4NO2-250	https://sgx.net/6	https://sgx.net/6	\$96.94	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	+50°C	-30°C				
523-EC4-500-CO	EC4-500-CO	https://sgx.net/6	https://sgx.net/6	\$80.47	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-40°C				
523-PS1-VOC-1000	PS1-VOC-1000	https://sgx.net/5	https://sgx.net/5	\$36.31	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	https://www.mouser.com/Gas-Sensor-Total-Volatile-Organic-Compound-(TVOC)	+55°C	-40°C				
523-EC4-2000-NO	EC4-2000-NO	https://sgx.net/5	https://sgx.net/5	\$109.77	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	https://www.mouser.com/Gas-Sensor-Nitric-Oxide-(NO)	+50°C	-20°C				
523-PS1-IAQ-10-MOD	PS1-IAQ-10-MOD	https://sgx.net/5	https://sgx.net/5	\$250.52	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Air-Quality	https://www.mouser.com/Gas-Sensor-Air-Quality	+55°C	-40°C				
523-SGX-7N63-100	SGX-7N63-100	https://sgx.net/5	https://sgx.net/5	\$134.13	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	+50°C	-40°C	1.3V			
523-SR1-1E1	SR1-1E1	https://sgx.net/5	https://sgx.net/5	\$154.26	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	https://www.mouser.com/Gas-Sensor-Carbon-Dioxide-(CO2)	+50°C	-30°C	1.3V	IRI Series 2		
523-SGX-100-ET0	SGX-100-ET0	https://sgx.net/4	https://sgx.net/4	\$71.88	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	https://www.mouser.com/Gas-Sensor-Carbon-Monoxide-(CO)	+50°C	-30°C				
523-EC4-100-H2O	EC4-100-H2O	https://sgx.net/4	https://sgx.net/4	\$107.25	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor	+50°C	-20°C				
523-EC4-1000-H2	EC4-1000-H2	https://sgx.net/4	https://sgx.net/4	\$106.23	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor-Hydrogen-(H2)	+50°C	-20°C				
523-EC4-500-ET0	EC4-500-ET0	https://sgx.net/4	https://sgx.net/4	\$124.47	RoHS Compliant	https://www.mouser.com/Gas-Sensor	https://www.mouser.com/Gas-Sensor	+50°C	-20°C				
523-EC4-200-CL2	EC4-200-CL2	https://sgx.net/4	https://sgx.net/4	\$113.23	RoHS Compliant	End of Life	https://www.mouser.com/Gas-Sensor-Chlorine-(Cl2)	+50°C	-20°C				
523-SR1-2D1	SR1-2D1	https://sgx.net/4	https://sgx.net/4	\$173.98	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	https://www.mouser.com/Gas-Sensor-Hydrocarbon-(HC)	+55°C	-20°C	3Vto5V	IRI Series 2		
523-PS1-H2-20000	PS1-H2-20000	https://sgx.net/3	https://sgx.net/3	\$94.91		https://www.mouser.com/Gas-Sensor	https://www.mouser.com/Gas-Sensor	+50°C	-40°C				
523-SGX-4NO2	SGX-4NO2	https://sgx.net/3	https://sgx.net/3	\$49.85	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	https://www.mouser.com/Gas-Sensor-Nitrogen-Dioxide-(NO2)	+50°C	-30°C	1.3V			
523-SGX-4D1	SGX-4D1	https://sgx.net/3	https://sgx.net/3	\$63.85	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Multi-Gas	https://www.mouser.com/Gas-Sensor-Multi-Gas	+50°C	-30°C	1.3V			
523-SGX-4NH3-300	SGX-4NH3-300	https://sgx.net/3	https://sgx.net/3	\$124.14	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	https://www.mouser.com/Gas-Sensor-Armonia-(NH3)	+50°C	-20°C				
523-SGX-7N62	SGX-7N62	https://sgx.net/3	https://sgx.net/3	\$122.53	RoHS Compliant	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	https://www.mouser.com/Gas-Sensor-Sulfur-Dioxide-(SO2)	+50°C	-30°C	750 mV</			

525-PS1-H2S-5000	PS1-H2S-5000	https://www.0	\$115.62	https://www.mo Gas Sensor Hydrogen (H)	+55 C	-40 C	
525-SO2-7H2S-200	S02-7H2S-200	https://www.0	\$71.88	RoHS Compliant	+55 C	-35 C	1.2V
525-PS1-HCHO-100-MOD	PS1-HCHO-100-MOD	https://www.0	\$229.04	https://www.mo Gas Sensor Hydrogen Sulfide (H2S)	+55 C	-40 C	
525-PS1-O3-100-MOD	PS1-O3-100-MOD	https://www.0	\$356.87	https://www.mo Gas Sensor	+55 C	-40 C	3.3V to 5.5V
525-PS1-H2-1000-MOD	PS1-H2-1000-MOD	https://www.mouser.com/catalog/specsheets	\$250.45	https://www.mo Gas Sensor Ozone (O3)	+55 C	-40 C	
525-PS4-HCN-50	PS4-HCN-50	https://www.mouser.com/catalog/specsheets	\$164.34	https://www.mo Gas Sensor Hydrogen (H)	+55 C	-40 C	
525-PS1-VOC-500-MOD	PS1-VOC-500-MOD	https://www.mouser.com/catalog/specsheets	\$229.54	https://www.mo Gas Sensor			
				https://www.mo Gas Sensor Total Volatile Organic Compound (TVOC)			

SGX Sensors - DigiKey

A comprehensive list of all Series 477, PS14, and SGX models of sensors offered by Amphenol SGX Sensortech

Datasheet	SK Part #	Mr Part #	Description	Stock	Price	Qty	Min Qty	Packages	Sensor	Product Status	Accuracy	Output	Current	Operating Temperature	Voltage - Supply	Current - Supply	Output Range
https://www.dallas.com/	1782-PS1-CO-1000-ND	PS1-CO-1000	SENSOR CARBON MONOXIDE CO	42	56.17	0	1	Bulk	PS1	Active	Nonlinear Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR OXYGEN CURRENT OUTPUT	42	56.17	0	1	Bulk	4	Active	Oxygen	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-H2S-100-ND	SGX-H2S	SENSOR HYDROGEN SULFIDE CUR OUT	40	46.38	0	1	Bulk	4	Active	Hydrogen Sulfide (H2S)	-	Current	-30°C ~ 180°C	-	300µA	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-70K-ND	SGX-70K	SENSOR OXYGEN CURRENT OUTPUT	40	46.38	0	1	Bulk	4	Active	Oxygen	-	Current	-30°C ~ 180°C	-	300µA	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR CARBON MONOXIDE	38	12.09	0	1	Bulk	4	Active	Carbon Monoxide (CO)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR SULFUR DIOXIDE CUR OUT	38	12.09	0	1	Bulk	4	Active	Sulfur Dioxide (SO2)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR AMMONIA CURRENT OUTPUT	38	12.09	0	1	Bulk	4	Active	Ammonia (NH3)	-	Current	-40°C ~ 180°C	-	300µA	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR OZONE SPM	28	96.87	0	1	Bulk	PS1	Active	Ozone (O3)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR NITROGEN DIOXIDE CUR OUT	27	16.8	0	1	Bulk	PS1	Active	Nitrogen Dioxide (NO2)	-	Current	-30°C ~ 180°C	-	300µA	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR OXYGEN CURRENT OUTPUT	25	72.75	0	1	Bulk	4	Active	Oxygen	-	Current	-40°C ~ 180°C	-	10µA	800 mbar ~ 1200 mbar
https://www.dallas.com/	1782-SGX-40K-ND	SGX-40K	SENSOR HYDROGEN	21	112.45	0	1	Bulk	PS1	Active	Hydrogen (H2)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-H2-100-ND	PS1-H2-100	SENSOR HYDROGEN SULFIDE	21	71.8	0	1	Bulk	PS1	Active	Hydrogen Sulfide (H2S)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-H2-100-ND	PS1-H2-100	SENSOR HYDROGEN SULFIDE	21	71.8	0	1	Bulk	PS1	Active	Hydrogen Sulfide (H2S)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-CO-5-ND	PS4-CO-5	SENSOR OZONE SPM	21	144.78	0	1	Bulk	PS4	Active	Ozone (O3)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-VOC-15-ND	PS1-VOC-15	SENSOR AMMONIA	21	117.26	0	1	Bulk	4	Active	Ammonia (NH3)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-VOC-15-ND	PS1-VOC-15	SENSOR VOC	20	57.46	0	1	Bulk	PS1	Active	Volatlie Organic Compound (VOC)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-HCHO-5-ND	PS4-HCHO-5	SENSOR FORMALDEHYDE SPM	20	122.47	0	1	Bulk	PS4	Active	Formaldehyde (HCHO)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-VOC-200-ND	PS4-VOC-200	SENSOR VOC	20	110.88	0	1	Bulk	PS4	Active	Volatlie Organic Compound (VOC)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-VOC-200-ND	PS1-VOC-200	SENSOR VOC	19	57.46	0	1	Bulk	PS1	Active	Volatlie Organic Compound (VOC)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-CO-1000-ND	PS4-CO-1000	SENSOR CARBON MONOXIDE LIART OUT	18	86.71	0	1	Bulk	PS4	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-CO-150-ND	PS1-CO-150	SENSOR OZONE SPM	17	110.89	0	1	Bulk	PS4	Active	Ozone (O3)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-H2S-50-ND	PS4-H2S-50	SENSOR HYDROGEN SULFIDE SPM	17	110.89	0	1	Bulk	PS4	Active	Hydrogen Sulfide (H2S)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-CO-150-ND	PS1-CO-150	SENSOR NITROGEN DIOXIDE LIART OUT	16	515.97	0	1	Bulk	PS1	Active	Nitrogen Dioxide (NO2)	-	Current	-40°C ~ 180°C	-	3.3V ~ 5.5V	5mA
https://www.dallas.com/	1782-PS1-H2-100-ND	PS1-H2-100	SENSOR HYDROGEN	16	71.8	0	1	Bulk	PS1	Active	Hydrogen (H2)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-H2S-100-ND	PS4-H2S-100	SENSOR HYDROGEN SULFIDE	16	132.47	0	1	Bulk	PS4	Active	Hydrogen Sulfide (H2S)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-CO-50-ND	EC4-50-52	SENSOR SULFUR DIOXIDE	14	139.87	0	1	Bulk	4	Active	Sulfur Dioxide (SO2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS4-2000-50-ND	EC4-2000-52	SENSOR SULFUR DIOXIDE	14	144.21	0	1	Bulk	4	Active	Sulfur Dioxide (SO2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS1-CO-20-ND	PS1-CO-20	SENSOR OZONE	14	56.86	0	1	Bulk	PS1	Active	Oxygen (O2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS4-SO2-50-ND	PS4-SO2-50	SENSOR SULFUR DIOXIDE SPM	14	122.47	0	1	Bulk	PS4	Active	Sulfur Dioxide (SO2)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-40K-50-ND	EC4-40K-50	SENSOR NITRIC OXIDE CURRENT OUT	14	113.86	0	1	Bulk	4	Active	Nitric Oxide (NO)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-H2S-50-ND	PS1-H2S-50	SENSOR HYDROGEN SULFIDE	13	57.46	0	1	Bulk	PS1	Active	Hydrogen Sulfide (H2S)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-H2S-50-ND	PS1-H2S-50	SENSOR FORMALDEHYDE SPM	13	57.46	0	1	Bulk	PS1	Active	Formaldehyde (HCHO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-VOC-15-ND	PS4-VOC-15	SENSOR VOC	13	110.89	0	1	Bulk	PS4	Active	Volatlie Organic Compound (VOC)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-CO-20-ND	PS4-CO-20	SENSOR OZONE	12	164.07	0	1	Bulk	PS4	Active	Oxygen (O2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS4-CO-100-ND	PS4-CO-100	SENSOR NITRIC OXIDE	10	149.22	0	1	Bulk	PS1	Active	Nitric Oxide (NO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-VOC-100-ND	PS1-VOC-100	SENSOR VOC LIART OUTPUT	10	42.43	0	1	Bulk	PS1	Active	Volatlie Organic Compound (VOC)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-F3-ND	SGX-F3	SENSOR FLUORINE SPM	9	214.23	0	1	Bulk	SGX	Active	Fluorine (F)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-SGX-HCL-ND	SGX-HCL	SENSOR HYDROGEN CHLORIDE	9	214.24	0	1	Bulk	SGX	Active	Hydrogen Chloride (HCL)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS1-VOC-15-MOD-ND	PS4-MOD-50	SENSOR VOC LIART OUTPUT	8	24.61	0	1	Bulk	PS1	Active	Volatlie Organic Compound (VOC)	-	Current	-40°C ~ 180°C	-	3.3V ~ 5.5V	5mA
https://www.dallas.com/	1782-PS4-MOD-50-ND	PS4-MOD-50	SENSOR NITROGEN DIOXIDE SPM	8	122.47	0	1	Bulk	PS4	Active	Nitrogen Dioxide (NO2)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-CO-150-ND	PS1-CO-150	SENSOR CARBON MONOXIDE SPM	8	57.46	0	1	Bulk	PS1	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-MOD-50-ND	PS1-MOD-50	SENSOR NITROGEN DIOXIDE SPM	6	215.95	0	1	Bulk	PS1	Active	Nitrogen Dioxide (NO2)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-SO2-50-ND	PS1-SO2-50	SENSOR SULFUR DIOXIDE	6	71.8	0	1	Bulk	PS1	Active	Sulfur Dioxide (SO2)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS4-VOC-100-ND	PS4-VOC-100	SENSOR VOC	6	86.71	0	1	Bulk	PS4	Active	Volatlie Organic Compound (VOC)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-SGX-HF-15-ND	SGX-HF-15	SENSOR HYDROGEN FLUORIDE	6	338.8	0	1	Bulk	SGX	Active	Hydrogen Fluoride (HF)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-HQ-15-MOD-ND	PS1-HQ-15-MOD	SENSOR AIR QUALITY IMPR	5	149.22	0	1	Bulk	PS1	Active	Air Quality	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-EC4-1-CLO2-ND	EC4-1-CLO2	SENSOR CHLORINE DIOXIDE	3	168.65	0	1	Bulk	4	Active	Chlorine Dioxide (ClO2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS1-HQ-15-MOD-ND	PS1-HQ-15-MOD	SENSOR HYDROGEN	3	110.89	0	1	Bulk	PS1	Active	Hydrogen (H2)	-	Current	-40°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS1-O3-5-MOD-ND	PS1-O3-5-MOD	SENSOR OZONE SPM	3	215.95	0	1	Bulk	PS1	Active	Ozone (O3)	-	Current	-40°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PS4-CO-100-ND	PS4-CO-100	SENSOR CARBON MONOXIDE	2	110.89	0	1	Bulk	PS4	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-EC4-200-CL2-ND	EC4-200-CL2	SENSOR CHLORINE	2	232.39	0	1	Bulk	4	Active	Chlorine (Cl2)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-HCHO-1-MOD-ND	PS1-HCHO-1-MOD	SENSOR FORMALDEHYDE 1PPM	1	201.48	0	1	Bulk	PS1	Active	Formaldehyde (HCHO)	-	Current	-30°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-EC4-1-PS-ND	EC4-1-PS	SENSOR ETO 100PPM	0	150.447	20	1	Bulk	4	Obsolete	Formaldehyde (CH2OH)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-10-ETO-ND	EC4-10-ETO	SENSOR ETO 100PPM	0	150.543	20	1	Bulk	4	Obsolete	Ethylene Oxide (C2H4O)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-100-150-ND	EC4-100-150	SENSOR HYDROGEN SULFIDE	0	76.3865	20	1	Bulk	4	Obsolete	Hydrogen Sulfide (H2S)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-100-150-ND	EC4-100-150	SENSOR HYDROGEN SULFIDE	0	91.9225	20	1	Bulk	4	Obsolete	Hydrogen Sulfide (H2S)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-200-200-ND	EC4-200-200	SENSOR NITROGEN DIOXIDE 20PPM	0	123.641	20	1	Bulk	4	Active	Nitrogen Dioxide (NO2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-200-200-ND	EC4-200-200	SENSOR PHOSPHINE SPM	0	175.158	20	1	Bulk	Active	Phosphine (PH3)	-	Current	-30°C ~ 180°C	-	-	-	
https://www.dallas.com/	1782-EC4-200-200-ND	EC4-200-200	SENSOR CARBON MONOXIDE	0	94.962	20	1	Bulk	4	Obsolete	Carbon Monoxide (CO)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-200-200-ND	EC4-200-200	SENSOR NITRIC OXIDE	0	162.106	20	1	Bulk	4	Obsolete	Nitric Oxide (NO)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-50-CL2-ND	EC4-50-CL2	SENSOR CHLORINE DIOXIDE	0	198.196	20	1	Bulk	4	Active	Chlorine Dioxide (ClO2)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-50-CL2-ND	EC4-50-CL2	SENSOR CARBON MONOXIDE	0	168.65	20	1	Bulk	4	Active	Carbon Monoxide (CO)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-EC4-50-ETO-ND	EC4-50-ETO	SENSOR ETO 50PPM	0	111.695	20	1	Bulk	4	Obsolete	Ethylene Oxide (C2H4O)	-	Current	-30°C ~ 180°C	-	-	-
https://www.dallas.com/	1782-PD-15-8V-10K-ND	PD-15-8V-10K	SENSOR 15-8V LAMP, HOL SGP	0	69.55	0	1	Bulk	SGX	Active	Air Quality	-	Voltage	-40°C ~ 180°C	-	3.0V ~ 10V	30mA
https://www.dallas.com/	1782-PD-15-8V-10K-ND	PD-15-8V-10K	SENSOR 15-8V LAMP, HOL SGP	0	69.55	0	1	Bulk	SGX	Active	Air Quality	-	Voltage	-40°C ~ 180°C	-	3.0V ~ 10V	30mA
https://www.dallas.com/	1782-PS1-AH-1-ND	PS1-AH-1	SENSOR 1-15V LAMP, HOL SGP	0	69.55	0	1	Bulk	PS1	Active	Air Quality	-	Voltage	-40°C ~ 180°C	-	3.0V ~ 10V	30mA
https://www.dallas.com/	1782-PS1-AH-1-ND	PS1-AH-1	SENSOR 1-15V LAMP, HOL SGP	0	69.55	0	1	Bulk	PS1	Active	Air Quality	-	Voltage	-40°C ~ 180°C	-	3.0V ~ 10V	30mA
https://www.dallas.com/	1782-PS1-CO-100-ND	PS1-CO-100	CARBON MONOXIDE 100PPM	0	124.74	0	1	Bulk	PS1	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	3.3V ~ 5.5V	4mA
https://www.dallas.com/	1782-PS1-CO-100-ND	PS1-CO-100	CARBON MONOXIDE 100PPM	0	246.42	0	1	Bulk	PS1	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~ 1.2 bar
https://www.dallas.com/	1782-PS1-CO-100-ND	PS1-CO-100	CARBON MONOXIDE 100PPM	0	71.71	0	1	Bulk	PS1	Active	Carbon Monoxide (CO)	-	Current	-40°C ~ 180°C	-	-	800 mbar ~

https://tiagemeasurements.com/1782-SGX-CL2-88-MOD-ND	SGX-CL2-88-MOD	CHLORINE SENSOR MODULE 50PPM	0	616.57	0	1	Bulk	SGX	Active	Chlorine (CL2)	+5%	UART	-40°C~+50°C	3.3V~5.5V	5mA	0 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-CO-H2S-UP-ND	SGX-CO-H2S-UP	SENSOR AIR QUALITY CURRENT OUT	0	61.01	0	1	Bulk	SGX	Active	Air Quality	-	Current	-30°C~+50°C	-	-	800 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-EOX-ND	SGX-EOX	LONG LIFE TIME INDUSTRIAL OXYGEN	0	616.57	0	1	Bulk	SGX	Active	Oxygen (O2)	-	Voltage	-20°C~+50°C	0.9V	500mA	500 mbar~2 bar
https://tiagemeasurements.com/1782-SGX-H2S-UP-ND	SGX-H2S-UP	SENSOR HYDROGEN SULFIDE CURT OUT	0	62.47	0	1	Bulk	SGX	Active	Hydrogen Sulfide (H2S)	-	Current	-30°C~+50°C	-	-	800 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-HF-16-MOD-ND	SGX-HF-16-MOD	HYDROGEN FLUORIDE 10PPM	0	200.86	0	1	Bulk	SGX	Active	Hydrogen Fluoride (HF)	+5%	UART	-40°C~+50°C	3.3V~5.5V	5mA	0 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-AH4S-100-ND	SGX-AH4S-100	SENSOR AMMONIA CURRENT OUTPUT	0	216.88	0	1	Bulk	SGX	Active	Ammonia (NH3)	-	Current	-40°C~+50°C	-	-	800 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-AH4S-1000-MOD-ND	SGX-AH4S-1000-MOD	4 SERIES AMMONIA SENSOR MODULE	0	659.33	0	1	Bulk	SGX	Active	Ammonia (NH3)	+5%	UART	-40°C~+50°C	3.3V~5.5V	5mA	0 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-AH4S-500-ND	SGX-AH4S-500	SENSOR AMMONIA	0	216.88	0	1	Bulk	SGX	Active	Ammonia (NH3)	-	-	-30°C~+50°C	-	-	800 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-OX-REHE-UP-ND	SGX-OX-REHE-UP	SENSOR OXYGEN CURRENT OUTPUT	0	68.81	0	1	Bulk	SGX	Active	Oxygen	-	Current	-40°C~+50°C	-	-	800 mbar~1250 mbar
https://tiagemeasurements.com/1782-SGX-SURECO-ND	SGX-SURECO	4 SERIES CO SENSOR 1.000PPM	0	Active	0	0	Bulk	SGX	Active	Air Quality	-	Current	-30°C~+50°C	1.3V	1A	0 mbar~25 bar