

AdvancedSense Pro[®]/AdvancedSense BE[®]/WolfPack[®]/DirectSense[®] Gas Sensor Specs Summary

SENSOR	INSTR RES (ppm)	RANGE (ppm)	SENSOR LOD (ppm)	SENSOR DRIFT	T ₉₀ RESPONSE	RECO'D CALIBRATION FREQUENCY ⁱ	EXPECTED LIFE
NDIR							
Carbon Dioxide (CO ₂)	1	0 to 10,000 ⁱⁱ	1	<80ppm/year ⁱⁱⁱ	≤20s	≤12 months	>10 years
Electrochemical							
Ammonia (NH ₃)	0.1	0.0 to 100.0	<1	5%/6 months	<60s	≤12 months	>24 months
Ammonia (NH ₃) High Range	1	0 to 1000	12	10%/6 months	<90s	≤6 months	24 months
Arsine (AsH ₃)	0.01	0.00 to 1.00	0.03	5%/6 months	<30s	≤12 months ^{iv}	>18 months
Carbon monoxide (CO combo w/H ₂ S sensor)	1	0 to 1000	1	4%/year	<35s	≤12 months	24 months
Carbon monoxide (CO solo)	0.1	0.0 to 750.0 ⁱⁱ	<0.3 ^v	<5%/year	<25s	≤12 months	36-60 months ^v
Chlorine (Cl ₂)	0.01	0.00 to 20.00	<0.02	<10%/year	<60s	≤12 months ^{vi}	>24 months
Chlorine dioxide (ClO ₂)	0.01	0.00 to 1.00	0.03	10%/6 months	<120s	≤6 months ^{iv}	12 months
Diborane (B ₂ H ₆)	0.01	0.00 to 1.00	0.03	5%/6 months	<30s	≤6 months ^{iv}	>18 months
Ethylene oxide (EtO)	0.1	0.0 to 100.0	0.3	5%/year	<150s	≤12 months	>24 months
Fluorine (F ₂)	0.01	0.00 to 1.00	0.02	5%/month	<80s	≤4 months ^{iv}	>18 months
Hydrogen (H ₂)	1	0 to 2000	1	3%/year	<90s	≤12 months	>24 months
Hydrogen chloride (HCl)	0.1	0.0 to 30.0	0.7	3%/month	<70s	≤6 months	>24 months
Hydrogen cyanide (HCN)	0.1	0.0 to 30.0	0.2	5%/month	<50s	≤4 months	>18 months
Hydrogen fluoride (HF)	0.01	0.00 to 10.00	<0.1	<10%/6 months	<90s	≤6 months ^{iv}	>18 months
Hydrogen sulfide (H ₂ S combo w/CO sensor)	0.1	0.0 to 200.0	0.5	2%/year	<30s	≤12 months	24 months
Hydrogen sulfide (H ₂ S solo)	0.01	0.00 to 50.0	0.03	2%/year	<30s	≤12 months	36-60 months ^v
Nitric oxide (NO)	0.1	0.0 to 250.0	0.2	<5%/year	<45s	≤12 months	36-60 months ^v
Nitrogen dioxide (NO ₂)	0.01	0.00 to 20.00	0.02	10%/year	<50s	≤12 months	36-60 months ^v
NDIR							
Ozone (O ₃)	0.01	0.00 to 1.0	0.02	10%/6 months	<60s	≤12 months ^{vi}	12-18 months ^{vii}
Phosgene (COCl ₂)	0.01	0.00 to 1.00	0.02	5%/6 months	<120s	≤12 months ^{iv}	>12 months

Phosphine (PH ₃)	0.01	0.00 to 10.00	0.05	<10%/year	<25s	≤6 months	>24 months
Silane (SiH ₄)	0.1	0.0 to 50.0	<1	5%/6 months	<60s	≤12 months	24 months
Sulfur dioxide (SO ₂)	0.01	0.00 to 50.00	<0.1	<4%/year	<35s	≤12 months	36-60 months ^v
	RES %	Range %	LOD %	Full Scale			
Oxygen (O ₂)	0.1%	0.0 to 25.0%	0.2%	<1%/3 months	<15s	≤12 months	24-36 months ^v
PID (VOCs)							
Low Range	0.001	0.000 to 20.000 ⁱⁱ	0.005	<10ppb/day (zero drift) ^{iv}	<5s	≤2weeks User, 12 months Factory	>5 years (except lamp & detector) ^{viii-ix}
Mid/Low Range	0.01	0.00 to 200.00 ⁱⁱ	0.025	TBD	<5s	Daily User, 12 months Factory	>5 years (except lamp & detector) ^{viii}
Mid Range	0.1	0.0 to 2000.0	0.050	TBD	<5s	Daily User, 12 months Factory	>5 years (except lamp & detector) ^{viii}
High Range	0.1	0.0 to 10,000.0	0.1	<0.1ppm/day (zero drift)	<5s	Daily User, 12 months Factory	>5 years (except lamp & detector) ^{viii}