



Performance	CO	NO ₂	CH ₄	C ₃ H ₈	H ₂	O ₂
Range	0-200 PPM	0-10.0 PPM	0-100% LEL	0-100% LEL	0-100% LEL	0-25% V/V
Resolution	1 PPM	0.1 PPM	1% LEL	1% LEL	1% LEL	0.1% V/V
Calibration Point	100 PPM	5.0 PPM	50% LEL	50% LEL	50% LEL	20.9% V/V
Max Overload	2,000 PPM	200 PPM	N/A	N/A	N/A	30% V/V
T90 Response Time	< 30 seconds	< 50 seconds	< 20 seconds	< 20 seconds	< 20 seconds	< 10 seconds
Coverage Radius	50 ft.	50 ft.	40 ft.	40 ft.	40 ft.	30 ft.
Coverage Area	7,500 sq. ft.	7,500 sq. ft.	5,000 sq. ft.	5,000 sq. ft.	5,000 sq. ft.	3,000 sq. ft.
Technology	Electrochemical	Electrochemical	Catalytic Bead	Catalytic Bead	Catalytic Bead	Electrochemical
Environmental						
Operating Temperature	-30°C to 50°C	-30°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-40°C to 60°C
Operating Humidity	15% to 95% RH	15% to 90% RH	0% to 100% RH	0% to 100% RH	0% to 100% RH	15% to 95% RH
Lifespan						
Long Term Output Drift	< 5% per year	< 2% per month	< 5% per month	< 5% per month	< 5% per month	< 1% per year
Expected Sensor Life	> 7 Years	> 5 Years	2 Years	2 Years	2 Years	> 5 Years
Calibration Duration	2 Years	1 Year	N/A	N/A	N/A	2 Years
Cross-Sensitivity						
Acetylene	100:96		100:58	100:90	100:49	
Ethylene	100:90	50:0	100:77	100:120	100:65	
Methane			1:1	100:156	100:84	
Propane			100:64	1:1	100:54	
CO	1:1	300:0	20:0	20:0	20:0	
Cl ₂	15:<1	1:0.5	100:140	100:219	100:118	
H ₂	100:<35	200:0	100:119	100:186	1:1	1:-2
H ₂ S	50:0	15:<1				
NO	50:<10	50:<-1	100:58	100:91	100:49	
SO ₂	20:0	20:0	100:152	100:238	100:128	