

Type	Target Gas	Min Span	Max Span	Temp Range	Warm-Up
15	Hydrogen Sulfide	0-10 ppm	0-5000 ppm	0°C to + 50°C	2 to 4 hours
30	Mercaptan	0-15 ppm	0-30 ppm	0°C to + 40°C	4 to 8 hours
31	THT	0-15 ppm	0-30 ppm	0°C to + 40°C	12 to 24 hours
40	Odorants	0-15 ppm	0-50 ppm	0°C to + 50°C	2 to 4 hours
41	Spotleak	0-15 ppm	0-50 ppm	0°C to + 50°C	2 to 4 hours

Figure 3-1: Toxic Sensor Characteristics

SEQUENCE Switch	Sequence Time	Purge / Hold Time	Total Cycle Time (Approximate)
0	On-Demand Sequence		1 hour
1	12-15 min	40 min	1 hour
2	12-15 min	105 min	2 hours
3	12-15 min	165 min	3 hours
4	12-15 min	225 min	4 hours
5	12-15 min	285 min	5 hours
6	12-15 min	345 min	6 hours
7	12-15 min	465 min	8 hours

Figure 3-2: Sequence Timing

RECOMMENDED MINIMUM SAMPLE SEQUENCE TIMES			
	GAS TYPE	MINIMUM	COMMENTS
15	HYDROGEN SULFIDE, LOW RANGE (< 50 PPM)	1 HOUR	FOR MAXIMUM SENSOR LIFE, USE LONGEST POSSIBLE SEQUENCE
15	HYDROGEN SULFIDE (> 500 PPM)	2 HOURS	FOR MAXIMUM SENSOR LIFE, USE LONGEST POSSIBLE SEQUENCE
31	TETRAHYDROTHIOPHENE, 0-50 MG/M3	2 HOURS	TWO HOURS IS REQUIRED FOR COMPLETE SENSOR RECOVERY FROM METHANE
30	MERCAPTAN, 0-50 MG/M3 OR 0-3 LB/MCF	4 HOURS	FOUR HOURS IS REQUIRED FOR COMPLETE SENSOR RECOVERY FROM METHANE
40, 41	GENERAL ODORANTS, INCLUDING SPOTLEAK	2 HOURS	TWO HOURS IS REQUIRED FOR COMPLETE SENSOR RECOVERY FROM METHANE

Figure 3-3: Recommended Minimum Sequence Times