

### Sensor Life Expectancy and Calibration Frequency for Fixed Gas Detectors

Gas & Chemical Symbol	Approximate Life Expectancy	Recommended Calibration Frequency
<b>Electrochemical Sensors</b>		
Acetylene (C <sub>2</sub> H <sub>2</sub> )	5 years	6 months
Ammonia (NH <sub>3</sub> )	4 years	6 months
Carbon Monoxide (CO) Type A	3 years	12 months
Carbon Monoxide (CO) Type B	6 years	12 months
Chlorine (Cl <sub>2</sub> )	3 years	6 months
Chlorine Dioxide (ClO <sub>2</sub> )	2 years	6 months
Ethylene (C <sub>2</sub> H <sub>4</sub> )	3 years	6 months
Ethylene Oxide (C <sub>2</sub> H <sub>4</sub> O)	2 years	6 months
Flourine (F <sub>2</sub> )	2 years	6 months
Formaldehyde (CH <sub>2</sub> O)	2 years	6 months
Hydrogen (H <sub>2</sub> )	2 years	6 months
Hydrogen Chloride (HCl)	2 years	6 months
Hydrogen Cyanide (HCN)	2 years	6 months
Hydrogen Fluoride (HF)	2 years	6 months
Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> )	2 years	6 months
Hydrogen Sulphide (H <sub>2</sub> S)	2 years	6 months
Hydrogen Sulphide (H <sub>2</sub> S) Type B	5 years	6 months
Nitric Oxide (NO)	2 years	6 months
Nitrogen Dioxide (NO <sub>2</sub> ) Type A	3 years	12 months
Nitrogen Dioxide (NO <sub>2</sub> ) Type B	6 years	12 months
Oxygen (O <sub>2</sub> )	3 years	6 months
Ozone (O <sub>3</sub> )	2 years	6 months
Phosphine (PH <sub>3</sub> )	2 years	6 months
Silane (SiH <sub>4</sub> )	2 years	6 months
Sulphur Dioxide (SO <sub>2</sub> )	2 years	6 months
<b>Catalytic Sensors</b>		
Acetone (C <sub>3</sub> H <sub>6</sub> O)	5 years	6 months
Acetylene (C <sub>2</sub> H <sub>2</sub> )	5 years	6 months
Ammonia (NH <sub>3</sub> )	5 years	6 months
Butane (C <sub>4</sub> H <sub>10</sub> )	5 years	6 months
Ethane (C <sub>2</sub> H <sub>6</sub> )	5 years	6 months
Ethanol or Dimethyl Ether (C <sub>2</sub> H <sub>6</sub> O)	5 years	6 months
Ethylene (C <sub>2</sub> H <sub>4</sub> )	5 years	6 months
Heptane (C <sub>7</sub> H <sub>16</sub> )	5 years	6 months
Hydrogen (H <sub>2</sub> )	5 years	6 months
Isopropyl Alcohol (C <sub>3</sub> H <sub>8</sub> O)	5 years	6 months
Methane (CH <sub>4</sub> )	5 years	6 months
Methanol (CH <sub>4</sub> O)	5 years	6 months
Pentane (C <sub>5</sub> H <sub>12</sub> )	5 years	6 months
Propane (C <sub>3</sub> H <sub>8</sub> )	5 years	6 months

Gas & Chemical Symbol	Approximate Life Expectancy	Recommended Calibration Frequency
<b>Phtolonization Detector (PID)</b>		
TVOC	5 years	12 months
<b>Solid State / Semi-Conductor Sensors</b>		
R22	5 years	12 months
R32	5 years	12 months
R134A	5 years	12 months
R402A	5 years	12 months
R404A	5 years	12 months
R407C	5 years	12 months
R410A	5 years	12 months
R422D	5 years	12 months
R438A	5 years	12 months
R448A	5 years	12 months
R449A	5 years	12 months
R507A	5 years	12 months
R513A	5 years	12 months
R514A	5 years	12 months
TVOCs	5 years	12 months
<b>Non-Dispersive Infrared Sensors</b>		
Butane (C <sub>4</sub> H <sub>10</sub> )	8 years	12 months
Carbon Dioxide (CO <sub>2</sub> )	8 years	12 months
Ethane (C <sub>2</sub> H <sub>6</sub> )	8 years	12 months
Ethanol or Dimethyl Ether (C <sub>2</sub> H <sub>6</sub> O)	8 years	12 months
Hexane (C <sub>6</sub> H <sub>14</sub> )	8 years	12 months
Methane (CH <sub>4</sub> )	8 years	12 months
Nitrous Oxide (N <sub>2</sub> O)	8 years	12 months
Octane (C <sub>8</sub> H <sub>18</sub> )	8 years	12 months
Propane (C <sub>3</sub> H <sub>8</sub> )	8 years	12 months
Propylene (C <sub>3</sub> H <sub>6</sub> )	8 years	12 months
Toluene (C <sub>7</sub> H <sub>8</sub> )	8 years	12 months
Xylene (C <sub>8</sub> H <sub>10</sub> )	8 years	12 months
Refrigerant (R22)	5 years	12 months
Refrigerant (R32)	5 years	12 months
Refrigerant (R123)	5 years	12 months
Refrigerant (R134A)	5 years	12 months
Refrigerant (R404A)	5 years	12 months
Refrigerant (R407A)	5 years	12 months
Refrigerant (R407C)	5 years	12 months
Refrigerant (R407F)	5 years	12 months
Refrigerant (R410A)	5 years	12 months
Refrigerant (R422A)	5 years	12 months
Refrigerant (R422D)	5 years	12 months
Refrigerant (R427A)	5 years	12 months
Refrigerant (R448A)	5 years	12 months
Refrigerant (R449A)	5 years	12 months
Refrigerant (R452A)	5 years	12 months
Refrigerant (R507A)	5 years	12 months
Refrigerant (R513A)	5 years	12 months
Refrigerant (R514A)	5 years	12 months
Refrigerant (HFO1233ZD)	5 years	12 months
Refrigerant (HFO1234YF)	5 years	12 months
Refrigerant (HFO1234ZE)	5 years	12 months