



iGAS Sensor Selection Table

To accurately measure a gas species, multiple sensors may be required to enable iGAS to correct for sensor cross sensitivity to other gas species.

| Gas↓ | Gas Name | Sensor→ | NO | NO ₂ | OX | SO ₂ | CO | H ₂ S | NH ₃ | CL ₂ | ETO | PID | CO ₂ |
|------------------|--------------------------------|---------|----|-----------------|----|-----------------|----|------------------|-----------------|-----------------|-----|-----|-----------------|
| NO | Nitric Oxide | ppb | * | | | | | | | | | | |
| NO ₂ | Nitrogen Dioxide | ppb | | * | | | | | | | | | |
| NO _x | Oxides of Nitrogen | ppb | * | * | | | | | | | | | |
| O ₃ | Ozone | ppb | | * | * | | | | | | | | |
| SO ₂ | Sulphur Dioxide | ppb | | * | * | * | * | | | | | | |
| CO | Carbon Monoxide | ppm | | | | | * | | | | | | |
| H ₂ S | Hydrogen Sulphide | ppb | | | | * | * | * | | | | | |
| NH ₃ | Ammonia | ppm | | | * | * | * | * | * | * | | | |
| CL ₂ | Chlorine | ppm | | * | * | | * | * | | * | | | |
| HCHO EtO | Formaldehyde Ethylene Oxide | ppm | * | * | * | * | * | * | | | * | | |
| VOC | 10.6eV organics | ppb | | | | | | | | | | * | |
| CO ₂ | Carbon Dioxide | ppb | | | | | | | | | | | * |

In the above table, the rows represent the gas to be measured, the columns the individual sensors required to measure that gas and correct for known interferences. For example, to measure SO₂, you would require SO₂, CO, OX, and NO₂ sensors. Note this table will be revised from time-to-time in the light of experience.

Note the interference correction sensors are only required if significant concentrations of the interfering species are likely to be present. For example, if you are measuring ppm of NH₃, ppb concentrations of NO₂ are unlikely to be a problem.

Note that CO, NO₂ and OX sensors are always required if SO₂ or H₂S are being measured

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