iGAS*air* Sensor Selection Table

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

Gas↓	Gas Name	Sensor→	NO	NO_2	OX	SO_2	CO	H_2S	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_2S	Hydrogen Sulphide	ppb				*	*	*		
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 SO_2, you would require SO_2, CO, OX, and NO_2 sensors. Note this table will be revised from time-to-time in the light of experience.

NOTES

1. The interference correction sensors are only required if significant concentrations of the interfering species are likely to be present.
2. CO, NO_2 and OX sensors are always required if SO_2 or H_2S are being measured
3. NOx is calculated from NO_2 and NO
4. iGAS requires that a minimum of two sensors are fitted in the manifold
5. A maximum of 8 sensors can be fitted in the iGAS manifold