

# Range of gases

Gas	Formula	Sensor Technology	Typical Ranges	Murco Product
<b>REFRIGERANT GASES</b>				
HCFC's - typical examples	R22, R123	SC	10-10,000ppm	MGD, IAM, ST-IAM, MGS
CFC's - typical examples	R11,R12	SC	10-10,000ppm	MDG, IAM, ST-IAM, MGS
HFC's - typical examples	R134a, R404A, R407, R410A, R507, R422D, R417A, R422A, R427A	SC	10-10,000ppm	MGD, IAM, ST-IAM, MGS
Hydrocarbons	Methane (Natural gas), Propane (R290), Butane (R600), Isobutane (R600A), Ethylene (R1150), Propylene (R1270), Dimethylether, LPG, H2	SC	0-10,000ppm	MGD, IAM, ST-IAM, MGS
<b>COMBUSTIBLE GASES</b>				
All Combustible gases	including Ammonia (R717)	CAT	0-100% LEL	ST-IAM
Hydrocarbons - typical examples	Methane (Natural gas), Propane, Butane, LPG, Isobutane, H2	SC	0-10,000ppm	MGD, IAM, ST-IAM, MGS
<b>VOC GASES</b>				
VOC's - typical examples	Acetone, Alcohols, Chloroform, Ethanol, Methanol, Methyl and Methylene Chloride, Ethyl and Ethylene Chloride	SC	0-10,000ppm	MGD, IAM, ST-IAM, MGS
<b>TOXIC GASES</b>				
Ammonia (R717)	NH <sub>3</sub>	EC	0-100ppm, 0-1,000ppm, 0-5,000ppm	ST-IAM, MGS
Ammonia (R717)	NH <sub>3</sub>	SC	0-10,000ppm	MGD, IAM, ST-IAM, MGS
Ammonia (R717)	NH <sub>3</sub>	CAT	0-100% LEL	ST-IAM
Carbon Dioxide (R744)	CO2 standard model	IR	0-10,000ppm (0-1%vol)	MGD, ST-IAM, MGS

Gas	Formula	Sensor Technology	Typical Ranges	Murco Product
<b>TOXIC GASES</b>				
Carbon Dioxide (R744)	CO <sub>2</sub> special request	IR	0-1,000ppm, 0-2,000ppm, 0-20,000ppm, 0-5% , 0-10%	MGD, ST-IAM, MGS
Carbon Monoxide	CO	EC	0-100ppm, 0-1,000ppm	ST-IAM, MGS
Chlorine	Cl <sub>2</sub>	EC	0-50ppm	ST-IAM, MGS
Chlorine Dioxide	ClO <sub>2</sub>	EC	0-1ppm	ST-IAM, MGS
Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	EC	0-20ppm	ST-IAM, MGS
Ethylene	C <sub>2</sub> H <sub>4</sub>	EC	0-1,000ppm	ST-IAM, MGS
Fluorine	F <sub>2</sub>	EC	0-1ppm	ST-IAM, MGS
Hydrazine	N <sub>2</sub> H <sub>4</sub>	EC	0-1ppm	ST-IAM, MGS
Silane - Hydride	SiH <sub>4</sub>	EC	0-5ppm	ST-IAM, MGS
Hydrogen	H <sub>2</sub>	EC	0-1,000ppm, 0-10,000ppm, 0-100% LEL	ST-IAM, MGS
Hydrogen Chloride	HCl	EC	0-50ppm	ST-IAM, MGS
Hydrogen Cyanide	HCN	EC	0-50ppm	ST-IAM, MGS
Hydrogen Fluoride	HF	EC	0-10ppm	ST-IAM, MGS
Hydrogen Sulphide	H <sub>2</sub> S	EC	0-30ppm, 0-200ppm	ST-IAM, MGS
Nitric Oxide	NO	EC	0-100ppm, 0-500ppm	ST-IAM, MGS
Nitrogen Dioxide	NO <sub>2</sub>	EC	0-50ppm	ST-IAM, MGS
Oxygen	O <sub>2</sub>	EC	0-25%	ST-IAM, MGS
Ozone	O <sub>3</sub>	EC	0-5ppm	ST-IAM, MGS
Sulphur Dioxide	SO <sub>2</sub>	EC	0-100ppm	ST-IAM, MGS

If you wish to detect a gas not mentioned above, please contact your supplier or Murco Technical Department.