



MOISTURE METERS

## Sensor Contamination List

Gas/Vapour	Maximum Permitted Concentration/ppm	Maximum Permitted Dewpoint/°C	Explosive Limits in Air/%
Acetylene (Etheylene) (C <sub>2</sub> H <sub>2</sub> )	No Limit	(-40)	
Ammonia (NH <sub>3</sub> )	Not Permitted	Not Permitted	16.0 - 25.0
Aromatic Oils	No Limit	No Limit	
Benzene (C <sub>6</sub> H <sub>6</sub> )	No Limit	No Limit	1.4 - 7.1
Bromine (Br <sub>2</sub> )	Not Permitted	Not Permitted	
Carbon Dioxide (CO <sub>2</sub> )	No Limit	Condition Sensor	n/a
Carbon Monoxide (CO)	No Limit	Condition Sensor	12.5 - 76.2
Carbon Disulphide (CS <sub>2</sub> )	No Limit	No Limit	
Chlorine (Cl <sub>2</sub> )	Not Permitted	Not Permitted	
Ethane (C <sub>2</sub> H <sub>6</sub> )	No Limit	No Limit	3.0 - 12.5
Ethylene Oxide ((CH <sub>2</sub> ) <sub>2</sub> O)	Not Permitted	Not Permitted	
Fluorine (F <sub>2</sub> )	Not Permitted	Not Permitted	
Freon	No Limit	No Limit	
Glycol (HOCH <sub>2</sub> CH <sub>2</sub> OH)	No Limit	No Limit	
Hydrobromic Acid (HBr)	Not Permitted	Not Permitted	
Hydrochloric Acid (HCl)	Not Permitted	Not Permitted	
Hydrofluoric Acid (HF)	Not Permitted	Not Permitted	
Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> )	Not Permitted	Not Permitted	
Hydrogen Sulphide (H <sub>2</sub> S)	No Limit	Condition Sensor	4.3 - 45.5
Mercury (Hg)	Not Permitted	Not Permitted	
Methan (CH <sub>4</sub> )	No Limit	No Limit	5.0 - 15.0
Methanoic Acid (HCOOH)	Not Permitted	Not Permitted	
Methanol (CH <sub>3</sub> OH)	No Limit	No Limit	
Methylethyl Glycol (C <sub>4</sub> H <sub>10</sub> O)	No Limit	No Limit	
Natural Gas	No Limit	No Limit	
Oxygen (O <sub>2</sub> )	No Limit	No Limit	
Ozone (O <sub>3</sub> )	Not Permitted	Not Permitted	
Nitric Acid (HNO <sub>3</sub> )	Not Permitted	Not Permitted	
Nitrogen Dioxide (NO <sub>2</sub> )	Not Permitted	Not Permitted	
Nitrous Oxide (N <sub>2</sub> O)	No Limit	No Limit	
Perchloric Acid (HClO <sub>4</sub> )	Not Permitted	Not Permitted	
Phosgene (COCl <sub>2</sub> )	No Limit	(-40)	
Propane (C <sub>3</sub> H <sub>8</sub> )	No Limit	No Limit	2.2 - 9.5
Sodium Hydroxide (NaOH)	Not Permitted	Not Permitted	
Sulphur Dioxide (SO <sub>2</sub> )	No Limit	(-40)	n/a
Sulphur Hexafluoride (SF <sub>6</sub> )	No Limit	No Limit	
Sulphur Trioxide (SO <sub>3</sub> )	Not Permitted	Not Permitted	
Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Not Permitted	Not Permitted	
Toluene (C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	No Limit	No Limit	1.3 - 6.8
Xylene (C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub> )	No Limit	No Limit	1.0 - 6.0