



MOISTURE METERS

Sensor Contamination List

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