

Sensoric Product Range – Typical Applications

Gas Type	Formula	Typical Application	Available Sensor Types	Range
Ammonia	NH ₃	Refrigeration, Chemical Industry, Semiconductor Industry	NH ₃ 3E 100 * / NH ₃ 3E 100 SE *	0 – 100 ppm
			NH ₃ 3E 500 SE *	0 – 500 ppm
			NH ₃ 3E 1000 * / NH ₃ 3E 1000 SE *	0 – 1000 ppm
			NH ₃ 3E 5000 SE *	0 – 5000 ppm
Arsine	AsH ₃	Semiconductor Industry, TLV monitoring of AsH ₃	AsH ₃ 2E 1 *	0 – 1 ppm
			AsH ₃ 3E 1 LT *	0 – 1 ppm
			AsH ₃ 3E 1 F LT *	0 – 1 ppm
Carbon Monoxide	CO	Oil & Petrochemical industry, Parking Garages, Tunnels, Mining, Chemical & Steel Industry	CO 2E 300	0 – 300 ppm
			CO 3E 300 * / CO 3E 500 S *	0 – 500 ppm
Chlorine	Cl ₂	Water Treatment plants, Swimming Pools, Chemical Industry	Cl ₂ 3E 10 *	0 – 10 ppm
			Cl ₂ 3E 50 *	0 – 50 ppm
Chlorine Dioxide	ClO ₂	Pulp & Paper Industry, Water Treatment Plants, Disinfection	ClO ₂ 3E 1 O *	0 – 1 ppm
Diborane	B ₂ H ₆	Semiconductor Industry, TLV monitoring of B ₂ H ₆	B ₂ H ₆ 3E 1 LT *	0 – 1 ppm
Fluorine	F ₂	Chemical Industry, Petrochemical Industry, Semiconductor Industry	F ₂ 3E 1 *	0 – 1 ppm
Hydrazine	N ₂ H ₄	TLV- monitoring; Aerospace and Aviation, Chemical Industry	N ₂ H ₄ 2E 1 *	0 – 1 ppm
Hydrogen	H ₂	Chemical Industry, Semiconductor Industry, Fuel Cell Industry	H ₂ 3E 1% *	0 – 1 % ppm
			H ₂ 3E 4% *	0 – 4 % ppm
Hydrogen Chloride	HCl	Chemical Industry, Pharmaceutical Industry, Semiconductor Industry	HCl 3E 30 *	0 – 30 ppm
Hydrogen Cyanide	HCN	Chemical Industry, Gold Mining and Processing Industry	HCN 2E 30 F / HCN 3E 30 F *	0 – 30 ppm
Hydrogen Fluoride	HF	Chemical Industry, Petrochemical Industry, Semiconductor Industry	HF 3E 10 SE *	0 – 10 ppm
Hydrogen Sulfide	H ₂ S	Oil & Petrochemical Industry, Water Treatment Plants, Biogas applications	H ₂ S 2E 30 / H ₂ S 3E 30 *	0 – 30 ppm
			H ₂ S 2E 50 S	0 – 50 ppm
			H ₂ S 3E 100 * / H ₂ S 3E 100 S *	0 – 100 ppm
			H ₂ S 3E 2000 S *	0 – 2000 ppm
Mercaptane	TBM	Monitoring of Odorants in Natural Gas Pipelines	TBM 2E 50 *	0 – 50 mg/m ³
Nitric Oxide	NO	Parking Garages, General Industry	NO 3E 100 *	0 – 100 ppm
Nitrogen Dioxide	NO ₂	Parking Garages, General Industry	NO ₂ 3E 50 *	0 – 50 ppm
Ozone	O ₃	Environmental Monitoring, Indoor Air Quality, Water treatment Plants	O ₃ 3E 1 * / O ₃ 3E 1 F *	0 – 1 ppm
Phosgene	COCl ₂	Chemical Industry, Semiconductor Industry, Homeland Security	COCl ₂ 3E 1 * / COCl ₂ 3E 1 S *	0 – 1 ppm
Phosphine	PH ₃	Semiconductor Industry, TLV monitoring of PH ₃ , Fumigation	PH ₃ 3E 5 LT *	0 – 5 ppm
			PH ₃ 3E 5F LT *	0 – 5 ppm
Selenium Hydride	SeH ₂	Semiconductor Industry, TLV monitoring of SeH ₂	SeH ₂ 3E 5 LT*	0 – 5 ppm
Silane	SiH ₄	Semiconductor Industry, Photovoltaic Industry, TLV monitoring of SiH ₄	SiH ₄ 3E 50 LT*	0 – 50 ppm
Tetrahydrothiophene	THT	Monitoring of Odorants in Natural Gas Pipelines	THT 3E 50*	0 – 50 mg/m ³

* also available as 4-20 mA transmitter.

Are you missing a product in this list?

Please contact our Technical marketing Department at sales_europe@citytech.com for further information.

