



Gas Detection Limits

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Gas Detection Limits

In the table below are the detection limits for some common gas species that can be monitored using the TDL100 instrument.

Species	Detection Limit*	Max. Gas Temperature (°C)
O ₂	0.02%	1500
NH ₃	0.2ppm	500
HCl	0.1ppm	400
HF	0.05ppm	400
H ₂ O	0.15ppm	1500
CO**	100ppm	1500
CO ₂ **	100ppm	1500
CH ₄	1ppm	300
H ₂ O	0.15ppm	1500
H ₂ S	15ppm	300
NO	30ppm	300
N ₂ O	40ppm	200
HCN	2.5ppm	300
Call for other gases.		

* Limits specified for 1m pathlength, temperature of 296K, and pressure of 1 bar. Limits are dependant on application conditions. ** Lower limits of detection are also available.

TDL100 Tunable Diode Laser Gas Sensor

Tunable Diode Laser Gas Sensors offer:

- Measurements are free from interference by other gases
- In-situ, real-time measurements
- Very low maintenance
- Negligible drift

Contact Details:

TDL Sensors Ltd

The Fairbairn Building
72 Sackville Street
Manchester M60 1QD
United Kingdom

Tel: +44 (0)161 306 8862, Fax: +44 (0)161 306 4399

Email: sales@tdlsensors.co.uk

Web: <http://www.tdlsensors.co.uk>



Distributor: