



Open-path Gas Monitors

- Hazardous area monitoring
- Interference free measurements

OP-LEL-CH4 Tunable Diode Laser Gas Sensor

Tunable Diode Laser Gas Sensors offer:

- Measurements are free from interference by other gases
- Very low maintenance
- Negligible drift

The **OP-LEL-CH4 monitoring system** from TDL Sensors Ltd is an open-path Tunable Diode Laser Gas Sensor for LEL methane monitoring.



Features

- LEL Methane 0-100%
- Free from interference by other hydrocarbons and gases
- Up to 500m pathlength measurements
- Fast response (2s)
- Reliable, very low maintenance

Applications

- Hazardous area monitoring
- Petrochemical plant monitoring
- Landfill monitoring

Ordering Options

ATEX option available.

Specifications

Measurement	
Optical pathlength	Up to 500m
Detection limit*	
CH ₄	0.02ppm
Accuracy	2% of reading
Linearity	Better than 1%
Resolution	< detection limit values
Span drift	< 4% of measuring range between maintenance intervals
Zero drift	Negligible (< 2% of measuring range between maintenance intervals)
Response time (T₉₀)	<2s (depending on application conditions)
Input/Ouput	
Analogue output	4–20mA current loop (optional)
Digital output	RS232, RS485, modbus (optional), ethernet (optional)
Relay output	SPCO rated, 24VDC/280VAC 2A (optional) – maximum of 4
Display	Graphic back lit LCD
Power	
Power supply	85 - 254 VAC, 50/60 Hz @100VA or 24VDC (optional), Battery pack (8hrs) (optional)
Maintenance	
Interval	Every 6–12 months is recommended
Environmental	
Operating temperature	-20°C to +55°C
Storage temperature	-20°C to +55°C
Enclosure	-
Dimensions	
Length	-

* Defined for 100m pathlength at 296K and 1 bar. Limit depends on individual application.

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: