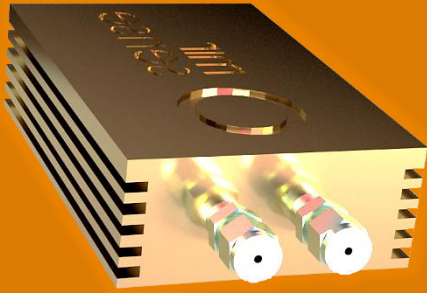


multiSense

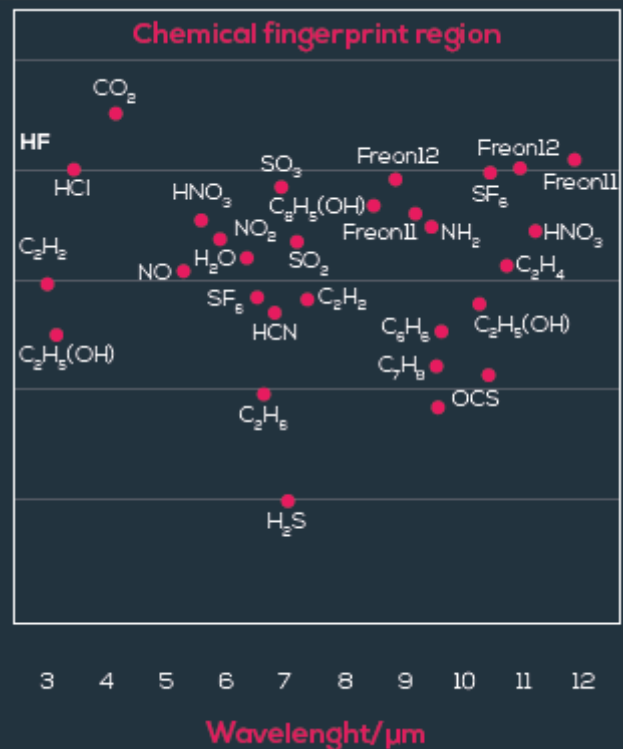
ALL IN ONE MULTIGAS QCL SPECTROMETER MODULE



Features

- ▶ Dual Gas Module available now!
- ▶ Real time Sub ppm detection limit (<1sec measurement)
- ▶ Very small form factor for mobile/portable application
- ▶ Low power consumption
- ▶ Electronic driving board included

Specifications



Type:	2 or 3 Gases OEM analyzer module
Analysis principle:	Mid-IR laser (QCL) + PA
Gas compatibility:	CH ₄ /CO ₂ /CO/H ₂ O/ H ₂ CO/NH ₃ /SF ₆ *More gases available upon request

• Size (without the control board)	7cm (W) x 7cm (D) x 3cm (H) housing for easy OEM integration
• Weight	Approx. 200gr.
• Electronics control	External mother board control unit with Built-in driver circuit (10 cm (W) x 7cm (D) x 3 cm(H) – 200 gr.)
• Electrical connection	Input voltage: 24 VAC, 50-60 Hz
• Power consumption (Min.)	<1W Possible
• Interfaces	USB, RS232, RS485 *(other interfaces available upon request)

Measurement specifications

• Integration time	From ms to sec. e.g.: 1ppm of CO ₂ in a few ms 100 ppb of CO ₂ in <1sec.
• Detection limits	Gas dependent Typically, from few 10s ppb to ppm level
• Dynamic range	>3 decades
• Sample Gas flow rate	<40ml/min
• Temperature range	15-40°C
• Sample Gas conditions	Temperature: 20-40°C Moisture: below the ambient temperature saturation Dust: 0.1 g/m ³ or less Pressure: 1bar ± 10%
• Storage conditions	-20°C / +60°C