

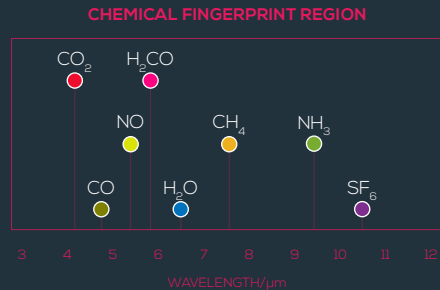
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ALL-IN ONE MULTI-GAS QUANTUM CASCADE LASER SPECTROMETER MODULE

FEATURES

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

SPECIFICATIONS



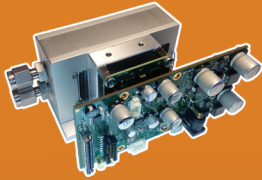
Type	2 or 3 Gases OEM analyzer module
Analysis principle	Mid-IR laser (QCL) + photoacoustic
Gas compatibility	CH₄/CO₂/CO/NO/H₂O/ H₂CO/NH₃/SF₆*

*More gases available upon request



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GENERAL SPECIFICATIONS

Size (without the control board)	10cm (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 (10cm (W) x 7cm (D) x 3cm (H) - 200gr.)
Electrical connection	Input voltage : 24V DC. Each module is supplied with a power transformer 110-240V AC 50-60Hz European plug
Power consumption (Typ.)	< 10W
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 100ppb 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	15-60°C
Sample Gas conditions	Temperature : 20-40°C Moisture : below the ambient temperature saturation Dust : 0.1g/m ³ or less Pressure : 1bar ±10%
Storage conditions	-20°C/ ±60°C



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