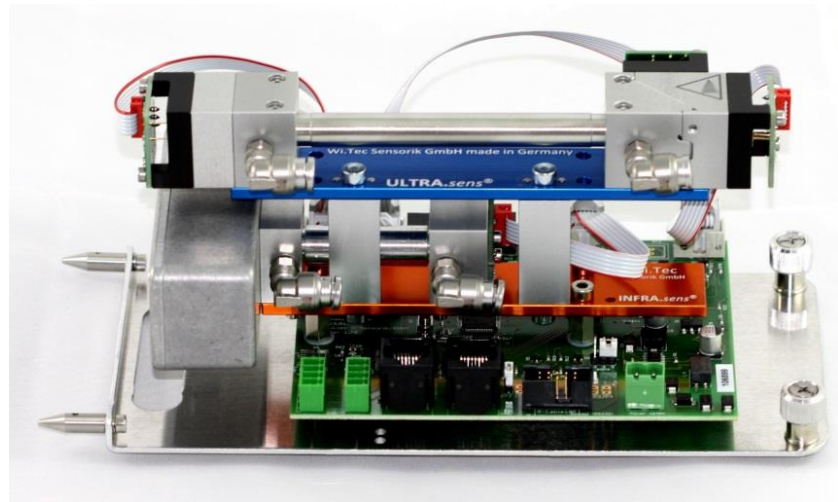


Multi Component Gas Detection

The KOMBI.sens® is based on composite ULTRA.sens® (NDUV) and INFRA.sens® (NDIR) gas sensor technology. It is possible to measure up to 4 gas components simultaneously with one unit. The base electronic is capable to power IR and UV radiation sources with different frequencies for 0 Hz (DC) up to 100 Hz (AC). This system is an ideal tool for multi component gas detection at a low ppm level. One typical application is the exhaust gas analysis of power plants and mobile gas analyzers.

Examples:

- 100ppm SO₂/NO₂ + 1000ppm NO
- 100ppm SO₂ + 1000ppm CO/NO
- 100ppm SO₂ + 100Vol.-% SF₆
- 2000ppm SO₂/NO₂ + 2000ppm NO
- 2000ppm SO₂ + 2000ppm CO/NO
- 100ppm NO₂ + 1000ppm NO



Features

- SO₂+CO+NO_x
- Low Range
- High Accuracy
- Low Power
- Small Size

Application

- Industrial Gas Analyzer
- Exhaust Gas Monitoring
- MARPOL Monitor
- SO₂ Trace Gas Analyzer
- NO_x Analyzer

List of detectable Gases and Ranges (Span)

Meas.-Range	INFRA.sens®								ULTRA.sens®						
	CO ₂	CO	NO	CH ₄	C _n H _m	N ₂ O	SF ₆	H ₂ O	SO ₂	NO ₂	O ₃	Cl ₂	H ₂ S	CS ₂	BTX
100 Vol.-%															
30 Vol.-%															
10 Vol.-%															
5 Vol.-%															
1 Vol.-%															
5000ppm															
2000ppm															
1000ppm															
500ppm															
100ppm															
50ppm															
10ppm															

EXPLANATION:

CO₂ = Carbon dioxide, CO = Carbon monoxide, NO = Nitrogen oxide, CH₄ = Methane, C_nH_m = Hydrocarbon, N₂O = Nitrous oxide, SF₆ = Sulfur hexafluoride, SO₂ = Sulfur dioxide, NO₂ = Nitrogen dioxide, Cl₂ = Chlorine, CS₂ = Carbon disulfide, BTX = Benzene, Toluol, Xylene H₂S = Hydrogen Sulfide