

LET'S PLAY IT SAFE



RGA HGM12

PRODUKT INFORMATION

The robecco analyser RGA HGM12 serves the continuous emission measurement of pollutants in flue gas (e.g. CO, NO, N₂O, NO₂, NH₃, CH₄, HCl, SO₂, HF*; as system additionally TOC) and the measurement of CO₂, H₂O and O₂ as well as the continuous process control.

The device is suitability tested according to DIN EN 15267-3 and certified in compliance with QAL1 as well as MCERTS Performance Standards. As a part of the analyser system RGA HGM12 it is suitability tested and certified for systems after "TA Luft", 17th and 27th BImSchV according to DIN EN 15267-3.

APPLICATION

The RGA HGM12 is applicable all-purpose for measurement of emissions, raw gases or processes. As system in regulatory and operational emission measurement systems, amongst others, it serves the exhaust concentration control in combustion plants with different types of fuel, the thermal waste treatment, the combustion optimisation and the process management control.

Application examples:

- Power plants
- Waste incineration plants
- Refineries
- Cement industry
- Industrial exhaust air
- Paper mills
- Glass industry
- Chemical industry



FUNCTION

By the functional principle of the multi component analyser RGA HGM12 up to twelve infrared gas components can be detected simultaneously. As measuring methods bi-frequency measuring method and gas filter correlation are applied. Optionally, an oxygen measurement via zirconium dioxide cell is possible.

The analyser evaluates internally all specification-dependent required concentrations with all necessary compensations and standardisations. By a connected PC the visualisation and operating with device-own user software is executed. The operating surface is designed for one-click operating via touch function.

Optionally, the additional connections at the device can be used for connection of external devices (e.g. for measurement of total organic carbon or mercury).

RGA HGM12

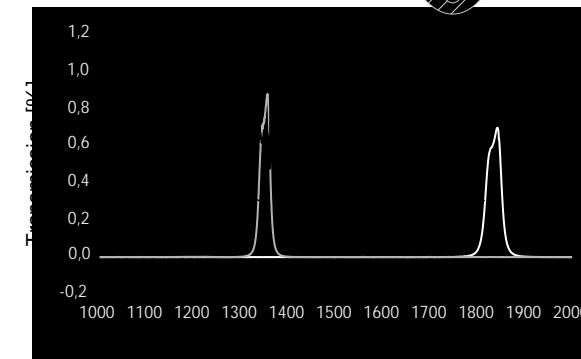
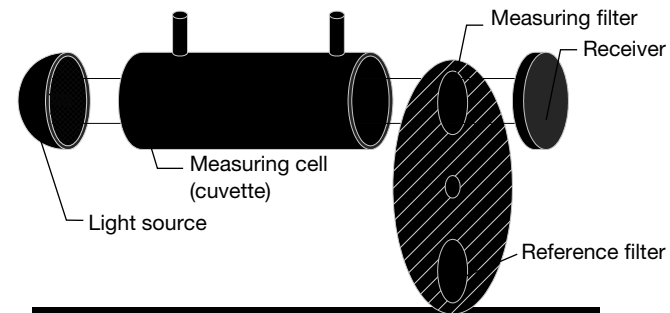
PRODUKT INFORMATION

MEASURING RANGES

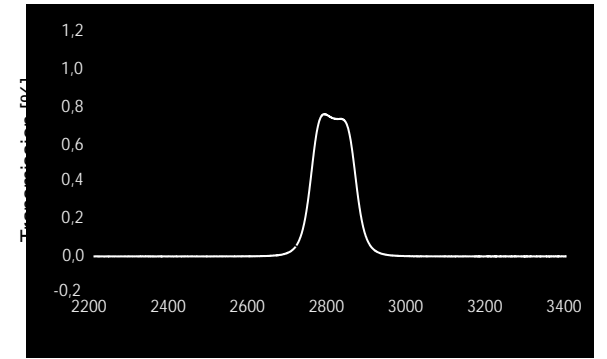
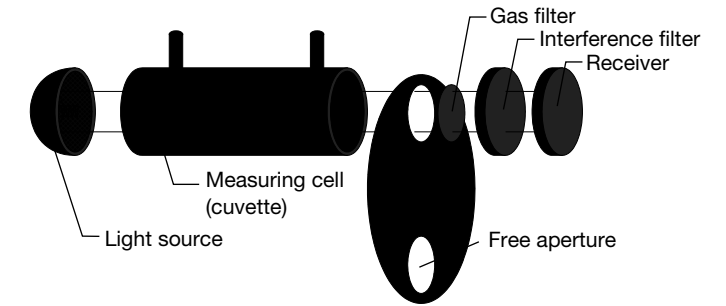
NO	0...200 mg/m ³	0...400 mg/m ³	0...3000 mg/m ³
N ₂ O	0...50 mg/m ³	0...3000 mg/m ³	-
SO ₂	0...75 mg/m ³	0...300 mg/m ³	0...2500 mg/m ³
HF*	-	0...20 mg/m ³	-
CH ₄	0...50 mg/m ³	0...500 mg/m ³	

MEASURING METHODS

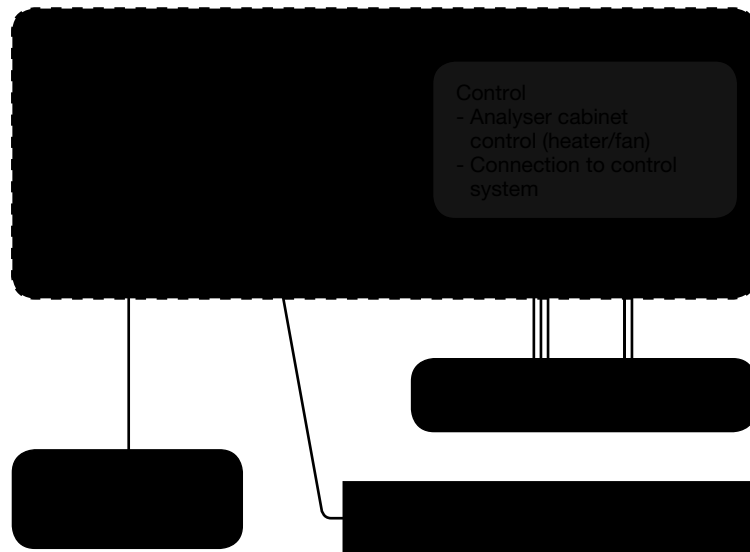
Bi-frequency measuring method



Gas filter correlation



DESIGN OF CPU COMPONENTS



SYSTEM DESIGN

