



Gas analyser system

robecco GAS

System for measurement and monitoring of gases



INDUSTRY SECTOR



Biomass
Power plants
Minerals
Cement industry
Chemistry
Steel industry
Waste incineration
Pellet industry
Sludge
Food industry
etc.

Gas analysis
Operating measurement
Explosion protection
Emission measurement

PRODUCT INFORMATION

Gas analyser system

robecco GAS



robecco GAS is an extractive gas warning system that is used for the continuous measurement of gases. Gas preparation management with gas cooler, filter element, sample gas pump u. humidity sensor is integrated.

robecco **GAS**

APPLICATION:

- Operation measurement: Analysis and measurement of gases to determine operational and process parameters.
- Emission measurement: Continuous monitoring of emissions.
- Explosion protection: Measurement of explosive and flammable gases and oxygen as key parameters for preventive explosion protection. ATEX-compliant version for safe and approved operation in potentially explosive areas.

TECHNICAL DATA

This gases can be analyzed:

CO (Carbon monoxide)
O₂ (Oxygen)
CH₄ (Methane)
CO₂ (Carbon dioxide)
NO (Nitric oxide)
SO₂ (Sulfur dioxide)
NO₂ (Nitrogen dioxide)
further gases on request

Method of measurement

Infrared
Paramagnetic
Electrochemical

Number of measuring points

Modularly expandable
continuous / Sequential

Characteristics

Output of limit values and alarms
Automatic zero point calibration
Automatic blow back device for the Pre-filter sample gas probe

Mounting

Analysis cabinet outside the Ex zone, Measuring points also in EX zones,
Air-conditioned room or
optional with air conditioning

Protection class:

IP55 up to IP 66

Ambient temperature

-20 up to +40°C

Operation temperature cabinet:

+5 up to 30°C

Operating voltage:

110VAC / 230VAC, 50-60Hz

Interfaces:

Profinet, Ethernet
Profibus, MPI
Modbus
Potential-free contacts
Further on request

Technical characteristics of sample gas probe RSP-1:

- With pre-filter
- Optional blow back equipment device for pre-filter cleaning
- Optional heated

Mounting

- Any application
- Directly in the process at the sampling point
- Zone 20,21,22 and Zone 0,1,2 according to ATEX

Process temperature

- up to 550 °C, other on request



Technical characteristics of sample line RSL:

- With self-regulating heating trace
- The length of the line freely assembled up to 100m,
Other on request

Mounting

- Any application
- Zone 20,21,22 and Zone 0,1,2 according to ATEX

Ambient temperature:

- Directly in the process at the sampling point
-20 up to 60°C



Further information on request!