



## Gas warning system

robecco RWS compact

Compact system for measurement and monitoring of gases



robecco **RWS**

### INDUSTRY SECTOR

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

Gas analysis  
Operating measurement  
Explosion protection  
Emission measurement

### PRODUCT INFORMATION

# Gas warning system

## robecco RWS compact



robecco RWS compact 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. The compact design enables it to be set up at the measuring point where space is limited.

### robecco RWS

#### APPLICATION:

- Operation measurement: Measurement of gases to determine operational and process parameters.
- Emission measurement: Continuous monitoring of emissions, processes, rooms according to operational safety regulation.

### TECHNICAL DATA

This gases can be analyzed:  
CO (Carbon monoxide)  
O2 (Oxygen)  
CH4 (Methane)  
CO2 (Carbon dioxide)  
NO2 (Nitrogen dioxide)  
further gases on request

#### Method of measurement

Infrared  
Electrochemical

#### Number of measuring points

One continuous / two sequential

#### Characteristics

Output of limit values and alarms  
Automatic blow back device for the Pre-filter sample gas probe  
Compact design, Dimensions 760 x 760 x 300 mm (w x h x d)

#### Mounting

Locally at the sampling point

#### Protection class:

IP55 up to IP 66

#### Ambient temperature

-20 up to +40°C

#### Operating temperature Gas warning system:

+5 up to 30°C

#### Operating voltage:

110VAC / 230VAC, 50-60Hz

#### Interfaces:

Profinet, Ethernet  
Profibus  
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!