

Analytical appliances

Take advantage of ReiCat's up-to-date **analytical equipment**. Measure and define the following parameters at your system:

- ◆ **Measurement** of nitrogen and oxygen
- ◆ **Analysis** of **hydrogen** in oxygen, **oxygen** in hydrogen
- ◆ **Gas sampling** to enable further analyses

Gas analysis (O₂ & N₂)

Principle

A pump leads the gas into the analysis equipment for measurement. The components to determine are O₂ and/or N₂.

Scope of application

The nitrogen and oxygen content of helium or argon is determined.

Measuring range

Gas temperature: 0-52 °C

N₂: 0-3000 ppm, sensitivity: 1 ppm

O₂: 0-1000 ppm, sensitivity: 10 ppm

Gases to be analysed

He or Ar.



HO Meter (H₂-/O₂ measurement)

Principle

The gas is analysed by measuring the heat of combustion.

Scope of application

The content of oxygen or hydrogen in

- hydrogen
- oxygen
- nitrogen
- rare gas
- inert gas
- gas mixtures

can be determined.

Measuring range *

Oxygen: 0.01 ... 3 %

Hydrogen: 0... 4 %

* *Applicable lower explosion limit (LEL) values have to be met depending on the composition.*



Gas sampling

Application

The gas sample is drawn into special previously evacuated containers. The captured gas can be used for further analysis.

Scope of application

This procedure can be applied to almost any established analytical method such as GC, GCMS, IR, etc.

Measuring range

Depending on the relevant method.



Learn more at:

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