

### HO meter measuring system

#### Safety by monitoring and regulation of gas mixtures

ReiCat is the leading company for gas purification and gas recycling. ReiCat develops and produces systems for the most efficient application of valuable technical gases.

#### Application

##### Application examples:

- Energy industry  
(Power to gas, nuclear power plants, fuel cells for H<sub>2</sub> busses, H<sub>2</sub> trains, submarines)
- Automotive & Metal industry  
(Hardening technologies & thermal treatment)
- Chemical industry  
(Chlorine electrolysis & glass production)
- Electronic industry  
(Semiconductor production)
- Measurement of hydrogen or oxygen content in:
  - ◆ Hydrogen      ◆ Oxygen
  - ◆ Nobel Gas    ◆ Inert Gas
  - ◆ Nitrogen      ◆ Gas mixture
- Warning and signal in case of formation of explosive gas mixtures.
- Process control of gas purification plants.
- Quality control for oxygen or hydrogen production.

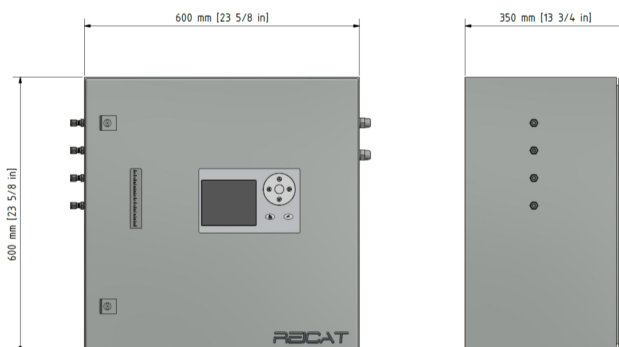
#### Advantages

- Quick measurement at low concentrations
- Linear signal and highly reproducible
- Small t90-time
- Long lifetime and pressure resistant
- Non consumable measuring cell
- Simple handling and setting of measuring range

#### Technical Data

Measuring principle	Heat of reaction
Measuring components	Hydrogen, Oxygen
Measuring range*	<b>Oxygen 0 ... 3 %</b> <b>Hydrogen 0 ... 6 %</b>
Signal Output	4-20 mA
Power Supply	110-230 VAC / 50-60 Hz
Gas connection	Swagelok 1/4"
Dimensions	600x600x350 mm (WxHxD)

\* Depending on the composition explosion limits have to be considered.



PLEASE FIND MORE INFORMATION AT:

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