



The HO meter is a safety device that prevents the formation of explosive gas mixtures. It can measure hydrogen or oxygen content within hydrogen, oxygen, nitrogen, noble gas, inert gas, and gas mixtures.

In the event of leaks or malfunctions in your system, the HO meter ensures that the gas flow is interrupted immediately.

Our hydrogen purification units for PtX and our hydrogen recycling systems are typically equipped with an HO meter at the inlet. We also offer the HO meter as a standalone unit, e.g. for submarines or nuclear power plants.

Technical specification

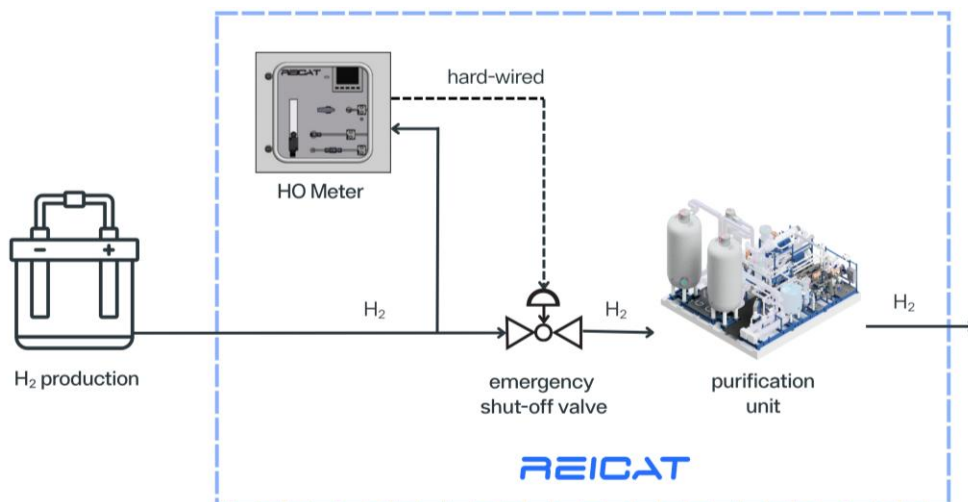
Measuring principle	heat of exothermic reaction
Measuring components	hydrogen, oxygen
Measuring range*	hydrogen 0 ... 4 vol. % oxygen 0.01 ... 3 vol. %
Signal output	4–20 mA
Power supply	110–230 VAC / 50–60 Hz
Gas connection	Swagelok ¼ " (16 mm)
Dimensions	≅ 600 x 600 x 350 mm

*Depending on the composition, explosion limits must be considered.

Key benefits

- ✓ Quick measurement at low concentrations
- ✓ Zero maintenance
- ✓ Linear signal and highly reproducible
- ✓ Small t90-time
- ✓ Non-consumable measuring cell
- ✓ Long lifetime
- ✓ Easy handling

HO Meter within PtX system



ReiCat is a German technology company with over 40 years of experience in technical gas purification, technical gas recycling, and exhaust air treatment. More than 600 systems operate in 60 countries worldwide, supporting industry leaders in green hydrogen, carbon capture, and clean air technologies among others.

