

DEVELOPMENT TEST STAND FOR

HYDROGEN SENSORS

This test stand is used for the development of a wide variation of sensors.

It automatically produces specific gas mixtures with customizable concentrations at different pressures and temperatures to investigate the impact on the sensors under test. The test stand is designed to meet all safety standards including ATEX as the use of pure hydrogen is intended.

TECHNICAL HIGHLIGHTS

- Production of gas mixtures (H₂, He, N₂, Air) in various concentrations
- Control of gas mass flows
- Regulation of pressures and temperatures
- Connection to a climate chamber
- Automated monitoring of test parameters
- Test stand automation using OCEAN
- ATEX-compliant design

