



DLR, Institute for Technical Thermo Dynamic

Test of high temperature fuel cells

At a so-called Stack a lot of cell voltages (approx. 120 single voltages), pressures and temperatures have to be measured very precise. During the conversion of the energy from the gas and the oxygen into electricity temperatures of 800 – 900 °C are appearing.



The series e.bloxx has to be used because

- Achieve high signal density (A4-4 has 16 high performance thermocouple channels per module).
- The resolution of 19 bit fulfil future requirements too.
- Met the high accuracy needs.
- All channels are galvanic isolated from each other.
- Every single module provides a Profibus-DP interface for the connection to a PLC.
- Excellent price performance.