HOT-BOX AND FUEL CELL SYSTEM TESTING

- Up to 100 kW power range
- For simulation of all requirements for stationary and mobile SOFC/SOEC applications
- Extended safety features including LEL hydrogen detector and cabin ventilation
- Fully automated for safe, reliable and unattended operation
- Sophisticated HT inline gas heaters
- Excellent reliability by included hardware PLC
- Maximum safety according to latest directives
- CAN Bus interface for simulation and hardware-in-the-loop option
The Evaluator S25-HT is tailored to the needs of complex high temperature stack and system testing and evaluation. Combined with HORIBA FuelCon’s sophisticated TestWork software, this system provides full adaptability. Using either hydrogen, methane or reformate fuels, the S25-HT is ideally designed for stack module and system developers performing initial application studies, duty cycle tests for stationary and APU applications as well as for performance evaluation.

Equipped with various types of HT inline heats, this test station is ideal for benchmarking stack module designs, optimizing production processes and running endurance tests on SOFC and SOEC.

A specific design is available for tests on reversible SOFC/SOEC modules with a thermally isolated cabinet (hot-box and systems).

The stack activation, operational procedures and thermal cycle test protocols including dynamic hot gas generation that reflect real world module operation are all automatically managed by the test station.

The integration of several devices from our TrueData line of diagnostic products such as our impedance analyzer allows operators to perform detailed studies of material behavior under real application conditions up to operating temperatures of 1,100 °C.

Please feel free to download the latest information available at www.horiba-fuelcon.com. If you have any questions, please do not hesitate to contact us. We will be happy to support you and discuss your testing requirements!