FUEL CELL STACK TESTING

- Variable power range available (Standard 100 kW)
- For simulation of all requirements for mobile applications
- Extended safety features including LEL hydrogen detector and cabin ventilation
- Fully automated for safe, reliable and unattended operation
- Contact humidification system for up to 90°C dew point and up to 250 °C gas temperature (option)
- Programmable automated purge and dead-end function
- Maximum performance and safety via integrated PLC
- Optional interface to environmental chamber and tilt unit
The Evaluator S100-LT is tailored to the needs of complex fuel cell stacks and evaluation. The design allows endurance testing and accelerated life time simulation which can be optimized for the typical needs of stationary or mobile applications. The various safety features include a closed test cabin and an integrated ventilation system connection and flow monitoring with LEL hydrogen detectors to safeguard the operator and your facility. Mechanical and software interfaces are available to integrate environmental chambers or shaker platforms into test programs.

The S100-LT is perfectly designed for the dynamic simulation of mobile applications in order to study fuel cell system behavior and optimize system design. In addition, we offer hardware-in-the-loop tools for simulating subsystem and balance of plant components. Combined with HORIBA FuelCon’s sophisticated TestWork software, this system operates using either hydrogen or reformate fuels and is a powerful tool designed for MEA and stack developers and manufacturers to accelerate the time to market.

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 operating conditions.

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!