LARGE AREA SINGLE CELL TESTING

- Up to 1,000 A current
- For endurance or accelerated testing of large cell areas and short stacks
- Extended safety features including LEL hydrogen detector and cabin ventilation
- Fully automated for safe, reliable, unattended operation
- Dynamic Direct Injection humidifier technology for up to 250 °C gas temperature (option)
- Advanced pre and back pressure control functions
- Maximum performance and safety via integrated PLC
The Evaluator C1000-LT is tailored to the needs of complex single cell and short stack testing and evaluation. With current capability up to 1,000 A, the C1000-LT is ideal for endurance testing and accelerated life time simulation especially for large cell areas with high current densities. The various safety features include a closed test cabin and an integrated ventilation system with LEL hydrogen detectors to safeguard the operator and your facility.

The C1000-LT can be equipped with FuelCon’s proprietary direct injection humidifier technology and therefore perfectly suitable for 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 load implication on the fuel cell power plant.

Combined with FuelCon’s sophisticated TestWork software, this system operates using either hydrogen, methanol or reformate fuels and is a powerful tool designed for MEA and stack developers as well as manufacturers to accelerate the time to market.

The integration of several devices from our TrueData line of diagnostic products such as our impedance analyzer and cyclic voltammetry allows operators to perform detailed studies of material behavior under real application conditions up to operating temperatures of 250 °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!

HORIBA FuelCon reserves the right to make changes at any time without notice.

Please see the attached table for a complete list of features and specifications.