

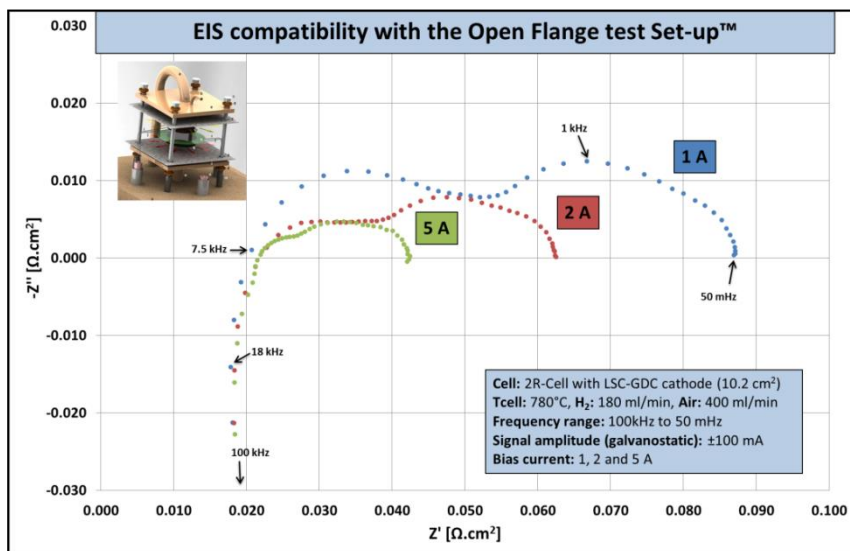
A new generation of impedance spectrometer

Slim, small & light weight

- Easily transportable by hand due to its reduced dimensions and weight (13 x 27 x 4 cm, 1.5 kg)
- One instrument can be shared between test rigs and labs
- Thick-walled aluminium housing, virtually unbreakable
- Extremely reliable, delivered with 3 years warranty
- EU fabrication and designed by experienced EIS engineers



Accurate EIS measurements



EIS measurement of an SOFC cell in the Fiaxell **Open Flanges Set-up™**. The cell is measured at 1, 2 and 5 Amps from 100 KHz up to 50 mHz

Smooth curves are obtained allowing equivalent circuit fitting with great accuracy

Stability & reproducible results: from high to low frequency without interruption

Hardware specifications

Potentiostat:

Applied potential range	±10 V, at 0.333mV resolution
Applied potential accuracy	0.2%, or 2 mV
Current ranges	±10 nA to ±100 mA (±1A, ±10A)
Measured current resolution	0.015% of current range, minimum 15pA
Measured current accuracy	0.2%

Galvanostat

Applied current resolution	0.033% of applied current range
Applied current accuracy	0.2%
Potential ranges	±10 mV, ±100 mV, ±1 V, ±10 V (±20V)
Measured potential resolution	0.004% of potential range, minimum 0.4µV
Measured potential accuracy	0.2%, or 2mV

Impedance Analyser

Frequency range	10µHz to 1MHz
Amplitude	0.015mV to 1.0V, or 0.03% to 100% of current range
DC offset	16 bit dc offset subtraction, and 2 dc-decoupling filters

Environment

Power requirements	100-240 V, 50-60 Hz, 700mA (supply included)
Size, weight	w x d x h = 13 x 27 x 4cm, 1.5 kg (1 A model)
PC requirements	Windows XP/Vista/7/8, with free USB port

Contact us for further informations on hardware specifications

Ideal for fuel cell research



Available in 1, 2, 5 and 10 A (40 A with booster), with integrated galvanostat / potentiostat, allows all kinds of fuel cell tests

Frequency range FRA/EIS: 10 μ Hz to 1MHz

Floating operation, no need for grounding, avoids parasitic losses

WE/RE/S/CE, 4-electrode configuration

In/out: Analog and digital i/o, see below for technical specifications

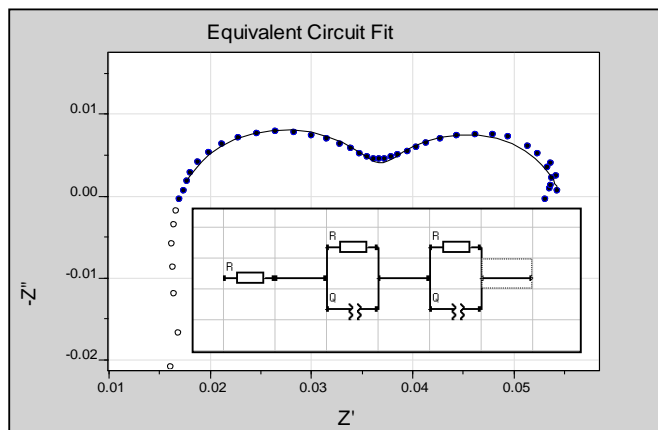
Included free software, intuitive and powerful

Equivalent circuit fitting and simulation

Easily import/export data

Batch Mode allows you to schedule measurements and configure experimental sequences

Can be controlled from LabVIEW, C++, Delphi, etc.



In conclusion, a product that makes everybody happy



Can be shared between different test rigs/labs

Provide reliable and reproducible results

Intuitive and powerful software

EU fabrication, engineered by EIS PhD scientists

Virtually unbreakable, delivered with 3 years warranty

Cost effective for all labs, up to 60 % less expensive than equivalent instruments