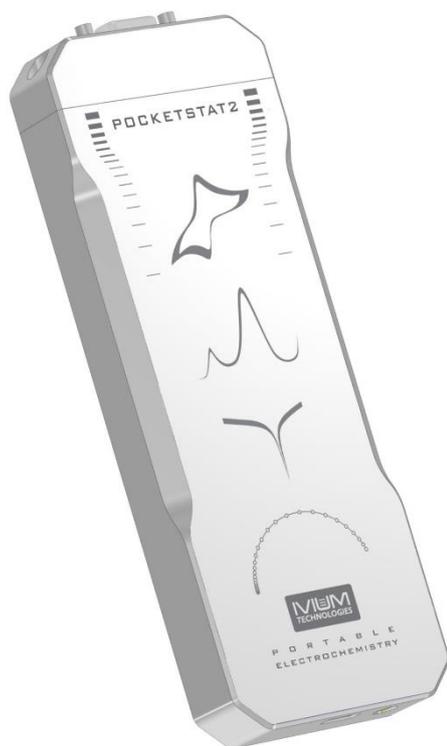


pocketSTAT2

For corrosion measurements



Suitable for
field measurements
and lab/bench testing

System performance

Current compliance	±30mA
Maximum output voltage	±10V
Electrode connections	4; WE, CE, RE, S (and GND)
Potentiostat bandwidth	>500kHz
Stability settings	High Speed, Standard and High Stability
Programmable response filter	1MHz, 100kHz, 10kHz, 1kHz, 10Hz
Signal acquisition	Dual channel 16bit ADC, 100,000 samples/s

Potentiostat

Applied potential range	±10V, 0.333mV res.
Applied potential accuracy	0.2%, or 2mV
Current ranges	±100pA to ±10mA in 9 decades
Measured current resolution	0.015% of current range, minimum 0.01pA
Measured current accuracy	0.2%

Galvanostat

Applied current resolution	0.033% of applied current range
Applied current accuracy	0.2%
Potential ranges	±0.4mV, ±4mV, ±40mV, ±0.4V, ±4V, ±10V
Measured potential resolution	0.03% of potential range, minimum 30nV
Measured potential accuracy	0.2% or 2mV

Impedance analyser

Frequency range	10µHz to 1MHz
Amplitude	0.15mV to 1.0V, or 0.03% to 100% of current range
DC offset	16bit DC offset subtraction and 2 DC-decoupling filters

Electrometer

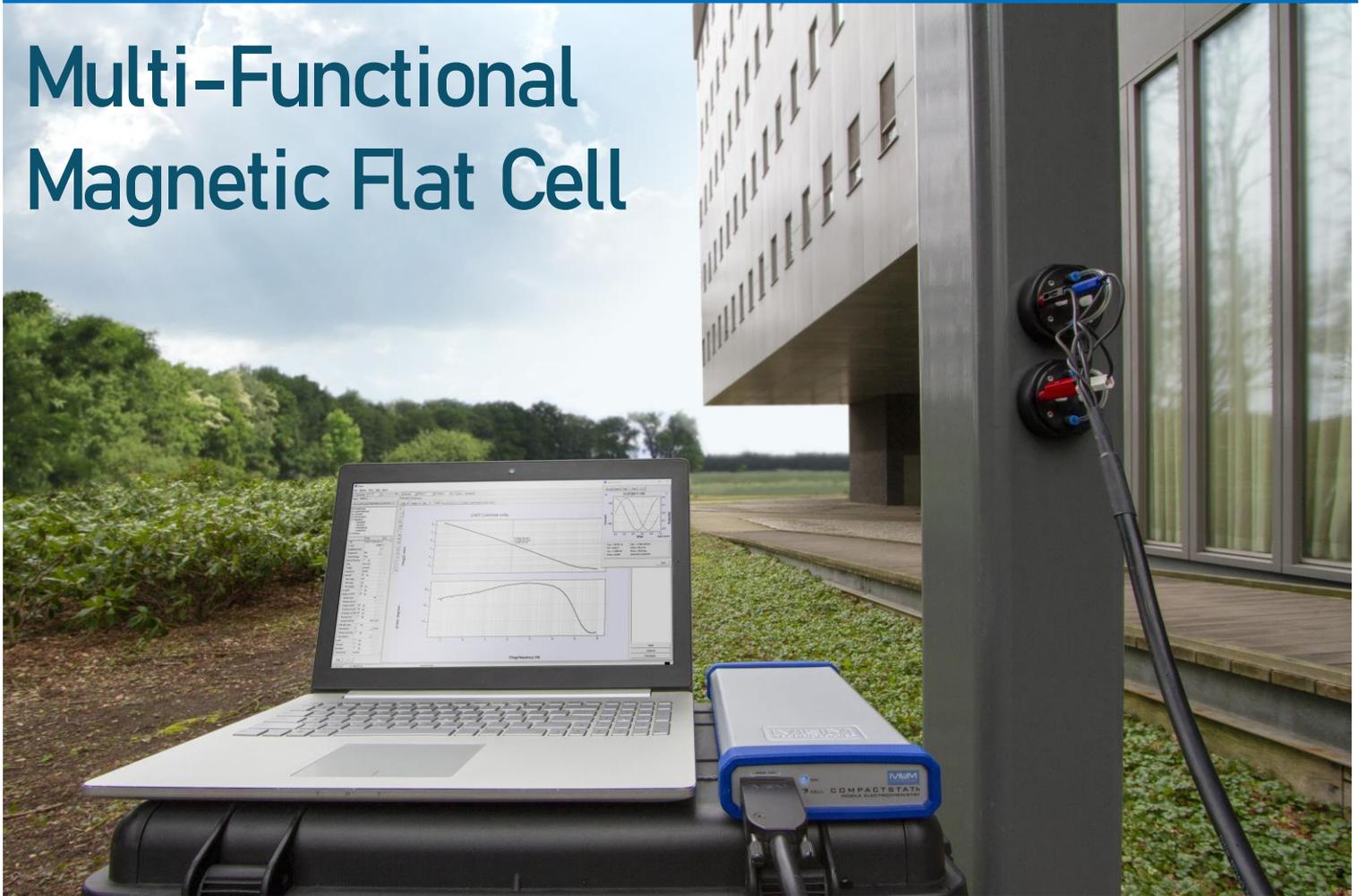
Input impedance	>1000Gohm // <10pF
Input bias current	<20pA
Bandwidth	>5MHz

Environment

Power requirements	Via USB
Interfacing	USB
Size (w x d x h)	16 x 6.7 x 1.9cm
Weight	300g
PC requirements	Windows 8/10, with free USB port

Ivium MCF cell

Multi-Functional Magnetic Flat Cell



**Coating resistance:
EIS measurements without
damaging the coating!**

The MCF cell is magnetic and can be clamped to objects in any position. In this way the object constitutes the bottom of the flat-cell, and the object itself can be used as electrode. The cell can be filled using a tube that leads directly into the cell. A similar tube allows air to escape to ensure a completely filled cell. A rubber seal prevents electrolyte leakage. The back of the cell consists of a stainless steel counter electrode. If desired a reference electrode can be placed near the electrode using either one of 2 holes designed for this purpose.

- Magnetic
- Electrode
- Flat cell
- Can be clamped:
to any steel object
in any position